TIPS VENDOR AGREEMENT

Between _____**and**

(Company Name)

THE INTERLOCAL PURCHASING SYSTEM (TIPS)
For

RFP 170904 Managed Print Services

General Information

The Vendor Agreement ("Agreement") made and entered into by and between The Interlocal Purchasing System (hereinafter referred to as "TIPS" respectfully) a government cooperative purchasing program authorized by the Region 8 Education Service Center, having its principal place of business at 4845 US Hwy 271 North, Pittsburg, Texas 75686. This Agreement consists of the provisions set forth below, including provisions of all Attachments referenced herein. In the event of a conflict between the provisions set forth below and those contained in any Attachment, the provisions set forth shall control.

The vendor Agreement shall include and incorporate by reference this Agreement, the terms and conditions, special terms and conditions, any agreed upon amendments, as well as all of the sections of the Solicitation (RFP, RCSP, RFQ) as posted, including any addenda and the awarded vendor's proposal. Once signed, if an awarded vendor's proposal varies or is unclear in any way from the TIPS Agreement, TIPS, at its sole discretion, will decide which provision will prevail. Other documents to be included are the awarded vendor's proposals, task orders, purchase orders and any adjustments which have been issued. If deviations are submitted to TIPS by the proposing vendor as provided by and within the solicitation process, this Agreement may be amended to incorporate any agreed deviations.

The following pages will constitute the Agreement between the successful vendors(s) and TIPS.

Definitions

PURCHASE ORDER is the TIPS Member's approval providing the authority to proceed with the negotiated delivery order under the Agreement. Special terms and conditions as agreed to between the vendor and TIPS Member should be added as addendums or deleted from the PO. Items such as certificate of insurance, bonding requirements, small or disadvantaged business goals are examples of possible addenda.

Terms and Conditions

Freight

If applicable. all quotes to Members shall provide a line item for cost for freight or shipping regardless if there is a charge or not. If no charge for freight or shipping, indicate by stating "No Charge" or "$0" or other similar indication. Shipping, delivery or freight charges shall be passed through at cost to the TIPS Member.

Customer Support

The Vendor shall provide timely and accurate customer support to TIPS Members. Vendors shall respond to such requests within one (1) working day after receipt of the request. Vendor shall provide training regarding products and services supplied by the Vendor unless otherwise clearly stated in writing at the time of purchase. (Unless training is a line item sold or packaged and must be purchased with product.)

Agreements

All Agreements and agreements between Vendors and TIPS Members shall strictly adhere to all applicable statutes and codes.

Agreements for purchase will normally be put into effect by means of a purchase order(s) or other similar document or contract executed by authorized agent(s) of the purchasing TIPS Member.

Davis Bacon Act requirements will be met for construction and/or repair of buildings unless otherwise agreed with the TIPS Member.

Tax exempt status

A taxable item sold, leased, rented to, stored, used, or consumed by any of the following governmental entities is exempted from the taxes imposed by this chapter:(1) the United States; (2) an unincorporated instrumentality of the United States; (3) a corporation that is an agency or instrumentality of the United States and is wholly owned by the United States or by another corporation wholly owned by the United States;(4) the State of Texas; (5) a Texas county, city, special district, or other political subdivision; or (6) a state, or a governmental unit of a state that borders Texas, but only to the extent that the other state or governmental unit exempts or does not impose a tax on similar sales of items to this state or a political subdivision of this state. Texas Tax Code § 151.309.

Assignments of Agreements

No assignment of Agreement may be made without the prior written approval of TIPS. Payment made by a TIPS Member can only be made to the awarded Vendor or vendor assigned dealer.

Disclosures

1. Vendor affirms that he/she has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor or service to a public servant in connection with this Agreement.

2. Vendor shall attach, in writing, a complete description of any and all relationships that might be considered a conflict of interest in doing business with TIPS under a TIPS Agreement.
3. The vendor affirms that, to the best of his/her knowledge, the offer has been arrived at independently, and is submitted without collusion with anyone to obtain information or gain any favoritism that would in any way limit competition or give an unfair advantage over other vendors in the award of this Agreement.

Renewal of Agreements

The Agreement with TIPS is for three (3) years with an option for renewal for additional one (1) consecutive year as provided in the related solicitation as specified on page one of this agreement. Total term of Agreement can be up to the number of years provided in the solicitation. The renewal option for the one additional year is at the agreement of the parties.

Automatic Renewal Clauses Incorporated in Awarded Vendor Agreements with TIPS Members Resulting from the Solicitation and with the Vendor Named in this Agreement.

NO AGREEMENT FOR GOODS OR SERVICES WITH A TIPS MEMBER BY THE AWARDED VENDOR NAMED IN THIS AGREEMENT THAT RESULTS FROM THE SOLICITATION AWARD NAMED IN THIS AGREEMENT, MAY INCORPORATE AN AUTOMATIC RENEWAL CLAUSE WITH WHICH THE TIPS MEMBER MUST COMPLY. ALL RENEWAL TERMS INCORPORATED IN AN AGREEMENT BY THE VENDOR WITH THE TIPS MEMBER SHALL ONLY BE VALID AND ENFORCEABLE WHEN THE VENDOR RECEIVES WRITTEN CONFIRMATION BY PURCHASE ORDER OR EXECUTED AGREEMENT ISSUED BY THE TIPS MEMBER FOR ANY RENEWAL PERIOD. THE PURPOSE OF THIS CLAUSE IS TO AVOID A TIPS MEMBER INADVERTENTLY RENEWING AN AGREEMENT DURING A PERIOD IN WHICH THE GOVERNING BODY OF THE TIPS MEMBER HAS NOT PROPERLY APPROPRIATED AND BUDGETED THE FUNDS TO SATISFY THE AGREEMENT RENEWAL. THIS TERM IS NOT NEGOTIABLE AND ANY AGREEMENT BETWEEN A TIPS MEMBER AND A TIPS AWARDED VENDOR WITH AN AUTOMATIC RENEWAL CLAUSE THAT CONFLICTS WITH THESE TERMS IS RENDERED VOID AND UNENFORCEABLE AS TO THE AUTOMATIC RENEWAL CLAUSE.

Shipments (If Applicable)

The Vendor shall ship ordered products within a commercially reasonable time after the receipt of the order. If a product cannot be shipped within that time, the Vendor shall notify TIPS and the TIPS Member as to why the product has not shipped and shall provide an estimated shipping date, if applicable. TIPS or the TIPS Member may cancel the order if estimated shipping time is not acceptable.

Invoices

The Vendor or, if applicable, the vendor assigned dealer shall submit invoices, to the TIPS Member. Each invoice shall include the TIPS Member's purchase order number. The shipment

tracking number or pertinent information for verification of TIPS Member receipt shall be made available upon request. The Vendor or vendor assigned dealer shall not invoice for partial shipments unless agreed to in writing in advance by TIPS or the TIPS Member.

Payments

The TIPS Member will make payments directly to the Vendor or vendor assigned dealer as agreed by the TIPS Member.

Pricing

The Vendor agrees to provide pricing to TIPS and TIPS Member entities that is at least equal to the lowest pricing available from the vendor to like cooperative purchasing customers in like situations and the pricing shall remain so throughout the duration of the Agreement.

All pricing submitted to TIPS shall include the participation fee, as designated in the solicitation or as otherwise agreed in writing, to be remitted to TIPS by the Vendor. Vendor shall not show adding the fee to the invoice presented to TIPS Member customer. Failure to render the participation fee to TIPS shall constitute a breach of this agreement and shall be grounds for termination of this agreement and any other agreement held with TIPS.

Participation Fees
Fees for this award are 2%.
Vendor or vendor assigned dealer agrees to pay TIPS on a monthly scheduled report the participation fee for all Agreement sales to Tips Members utilizing a TIPS awarded contract. Vendor must login to the TIPS database and use the "Submission Report" section to report sales. The Vendor or vendor assigned dealers are responsible for keeping records of all sales that go through the TIPS Agreement. Failure to pay the participation fee will result in termination of Agreement. Please contact TIPS at tips@tips-usa.com or call (866) 839-8477 if you have questions about paying fees.

Indemnity

2. **Indemnity for Personality Agreements.** Vendor agrees to indemnify and hold harmless and defend TIPS, TIPS Member(s), officers and employees, from and against all claims and suits for damages, injuries to persons (including death), property damages, losses, and expenses including court costs and attorney's fees, arising out of, or resulting from, Vendor's performance of this Agreement or sales made to TIPS Members under this agreement , including all such causes of action based upon common, constitutional, or statutory law, or based in whole or in part, upon allegations of negligent or intentional acts on the part of the Vendor, its officers, employees, agents, subcontractors, licensees, invitees, unless such claims are based in whole upon the negligent acts or omissions of the TIPS, TIPS Member(s), officers, employees, or agents. If based in part upon the negligent acts or omissions of the TIPS, TIPS Member(s), officers, employees, or agents, Vendor shall be responsible for their proportional share of the claim.

2. **Indemnity for Performance Agreements.** The Vendor agrees to indemnify and hold harmless and defend TIPS, TIPS Member(s), officers and employees from and against all claims and suits for damages, injuries to persons (including death), property damages, losses, and expenses including court costs and attorney's fees, arising out of, or resulting from, Vendor's work under this Agreement, including all such causes of action based upon common, constitutional, or statutory law, or based in whole or in part, upon allegations of negligent or intentional acts on the part of the Vendor, its officers, employees, agents, subcontractors, licensees, or invitees, unless such claims are based in whole upon the negligent acts or omissions of the TIPS, TIPS Member(s), officers, employees, or agents. If based in part upon the negligent acts or omissions of the TIPS, TIPS Member(s), officers, employees, or agents, Vendor shall be responsible for their proportional share of the claim.

State of Texas Franchise Tax

By signature hereon, the bidder hereby certifies that he/she is not currently delinquent in the payment of any franchise taxes owed the State of Texas under Chapter 171, Tax Code.

Miscellaneous

Nothing in the Agreement or in any other communication between TIPS and the Vendor may be construed as a guarantee that TIPS Members will submit any orders at any time. TIPS reserves the right to request additional proposals for items already on Agreement at any time.

Purchase Order Pricing/Product Deviation

If a deviation of agreed pricing/product on a purchase order form a TIPS Member pursuant to this Agreement occurs, TIPS shall be notified within 48 hours of receipt of order.

Termination for Convenience

TIPS reserves the right to terminate this agreement for cause or no cause for convenience with a thirty-day written notice. Termination for convenience is required under Federal Regulations 2 CFR part 200. All purchase orders presented to the Vendor by a TIPS Member prior to the actual termination of this agreement shall be honored at the option of the TIPS Member. The awarded vendor may terminate the agreement with ninety (90) days written notice to TIPS 4845 US Hwy North, Pittsburg, Texas 75686.

TIPS Member Purchasing Procedures

Purchase orders or their equal are issued by participating TIPS Member to the awarded vendor indicating on the PO "TIPS Agreement Number". Order is emailed to TIPS at tipspo@tips-usa.com.

- Awarded vendor delivers goods/services directly to the participating Member.
- Awarded vendor invoices the participating TIPS Member directly.
- Awarded vendor receives payment directly from the participating Member.
- Awarded vendor reports sales monthly to TIPS (unless prior arrangements have been made with TIPS to report otherwise).

Supplemental Agreements

The TIPS Member and awarded vendor may enter into a separate supplemental agreement to further define the level of service requirements over and above the minimum defined in this Agreement i.e. invoice requirements, ordering requirements, specialized delivery, etc. Any supplemental agreement developed as a result of this Agreement is exclusively between the participating entity and awarded vendor. TIPS, its agents, TIPS Members and employees shall not be made party to any claim for breach of such agreement.

INDEMNITY UNDER A SUPPLEMENTAL AGREEMENT:

ANY SUPPLEMENTAL AGREEMENT BETWEEN THE TIPS OR A TIPS MEMBER AND THE VENDOR THAT REQUIRES TIPS OR THE TIPS MEMBER TO INDEMNIFY ANY OTHER PARTY, EXCEPT TO THE EXTENT PERMITTED BY THE APPLICABLE CONSTITUTION, LAWS OR REGULATIONS OF THE JURISDICTION OF THE LOCATION OF THE TIPS MEMBER OR THE LOCATION OF THE PERFOMANCE OF THE CONTRACT UNDER THIS AGREEMENT, IS NOT PERMITTED UNDER THIS AGREEMENT AND RENDERS THE INDEMNITY REQUIREMENT NULL AND VOID AS IT APPLIES TO TIPS OR THE TIPS MEMBER'S RESPONSIBILTY TO INDEMNIFY ANY PARTY.

Licenses

Awarded vendor shall maintain, in current status, all federal, state and local licenses, bonds and permits required for the operation of the business conducted by awarded vendor. Awarded vendor shall remain fully informed of and in compliance with all ordinances and regulations pertaining to the lawful provision of services under the Agreement. TIPS reserves the right to stop work and/or cancel Agreement of any awarded vendor whose license(s) expire, lapse, are suspended or terminated.

Novation

If awarded vendor sells or transfers all assets or the entire portion of the assets used to perform this Agreement, a successor in interest must guarantee to perform all obligations under this Agreement. TIPS reserves the right to accept or reject assignment of this agreement. A simple change of name agreement will not change the Agreement obligations of awarded vendor.

Site Requirements (Only when applicable to service or job)

Cleanup: Awarded vendor shall clean up and remove all debris and rubbish resulting from their work as required or directed by TIPS Member. Upon completion of work, the premises shall be left in good repair and an orderly, neat, clean and unobstructed condition.

Preparation: Awarded vendor shall not begin a project for which TIPS Member has not prepared the site, unless awarded vendor does the preparation work at no cost, or until TIPS Member includes the cost of site preparation in a purchase order.

Site preparation includes, but is not limited to: moving furniture, installing wiring for networks or power, and similar pre-installation requirements.

Registered sex offender restrictions: For work to be performed at schools, awarded vendor agrees that no employee of a sub-contractor who has been adjudicated to be a registered sex offender will perform work at any time when students are or reasonably expected to be present. Awarded vendor agrees that a violation of this condition shall be considered a material breach and may result in the cancellation of the purchase order at the TIPS Member's discretion. Awarded vendor must identify any additional costs associated with compliance of this term. If no costs are specified, compliance with this term will be provided at no additional charge.

Safety measures: Awarded vendor shall take all reasonable precautions for the safety of employees on the worksite, and shall erect and properly maintain all necessary safeguards for protection of workers and the public. Awarded vendor shall post warning signs against all hazards created by the operation and work in progress. Proper precautions shall be taken pursuant to state law and standard practices to protect workers, general public and existing structures from injury or damage.

Smoking

Persons working under Agreement shall adhere to local smoking policies. Smoking will only be permitted in posted areas or off premises.

Invoices

The awarded vendor shall submit invoices to the TIPS Member clearly stating "Per TIPS Agreement". The shipment tracking number or other applicable pertinent information for verification shall be made available upon request.

Marketing

Awarded vendor agrees to allow TIPS to use their name and logo within the TIPS website, marketing materials and advertisement. Any use of TIPS name and logo or any form of publicity, inclusive of press release, regarding this Agreement by awarded vendor must have prior approval from TIPS and approval of which, shall not be unreasonably withheld by TIPS.

Survival Clause

All applicable software license agreements, warranties or service agreements that were entered into between Vendor and Customer under the terms and conditions of the Agreement shall survive the expiration or termination of the Agreement. All Orders, Purchase Orders issued or contracts executed by TIPS or a TIPS Member and accepted by the Vendor prior to the expiration or termination of this agreement, shall survive expiration or termination of the Agreement, subject to previously agreed terms and conditions agreed by the parties or as otherwise specified herein relating to termination of this agreement.

Legal obligations

It is the responding vendor's responsibility to be aware of and comply with all local, state and federal laws governing the sale of products/services identified in this RFP and any awarded Agreement thereof. Applicable laws and regulations must be followed even if not specifically identified herein.

Audit rights

Awarded Vendor shall, at their sole expense, maintain appropriate due diligence of all purchases made by TIPS Member that utilizes this Agreement. TIPS and Region 8 ESC each reserve the right to audit the accounting for a period of three (3) years from the time such purchases are made. This audit right shall survive termination of this Agreement for a period of three (3) years from the effective date of termination. TIPS shall have authority to conduct random audits of Awarded Vendor's pricing that is offered to TIPS Members. Notwithstanding the foregoing, in the event that TIPS is made aware of any pricing being offered to eligible entities that is materially inconsistent with the pricing under this agreement, TIPS shall have the ability to conduct the audit internally or may engage a third-party auditing firm. In the event of an audit, the requested materials shall be provided in the format and at the location designated by Region 8 ESC or TIPS. Tips shall bear the cost of such audit requested by TIPS, but all documents maintained by the vendor shall be produced and made available to TIPS or its agents at no cost.

Force Majeure

If by reason of Force Majeure, either party hereto shall be rendered unable wholly or in part to carry out its obligations under this Agreement then such party shall give notice and fully particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, except as hereinafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch.

Acceptance of work by TIPS Member

When a Vendor performs services for a TIPS Member, the TIPS Member will inspect the work for acceptance under the scope and terms in the PO. The TIPS Member will request any corrective actions that are required. Upon completion of these actions and not before, the TIPS Member will be obligated to compensate the Vendor as agreed.

Support Requirements

If there is a dispute between the awarded vendor and TIPS Member, TIPS or its representatives will assist in conflict resolution or third party (mandatory mediation), if requested by either party. TIPS, or its representatives, reserves the right to inspect any project and audit the awarded vendors TIPS project files, documentation and correspondence.

Bonding

Only when applicable, performance bonds and payment bonds will be required on construction or labor required jobs. Awarded vendor will meet the TIPS member's local and state purchasing requirements. Awarded vendors may need to provide additional capacity as jobs increase. Bonds will not require that a fee be paid to TIPS. The actual cost of the bond will be a pass through to the TIPS member and added to the purchase order or Agreement.

Incorporation of Solicitation

The TIPS Solicitation, Request for Proposals, Request for Qualifications or the Request for Competitive Sealed Proposals solicitation and all associated documents and forms made part of the solicitation process, including any addenda, that resulted in the execution of this agreement are hereby incorporated by reference into this agreement as if copied verbatim.

Scope of Services

The specific scope of work for each job shall be determined in advance and in writing between TIPS Member and Awarded vendor. It is okay if the TIPS member provides a general scope, but the awarded vendor should provide a written scope of work to the TIPS member as part of the proposal. Once the scope of the job is agreed to, the TIPS member will issue a PO and/or an Agreement with the estimate referenced as an attachment along with bond and any other special provisions agreed to for the TIPS member. If special terms and conditions other than those covered within this solicitation and awarded Agreements are required, they will be attached to the PO and shall take precedence over those in the base Agreement.

Project Delivery Order Procedures

The TIPS member having approved and signed an interlocal agreement, or other TIPS membership document, may make a request of the awarded vendor under this Agreement when the TIPS member has services that need to be undertaken. Notification may occur via phone, the web, email, fax, or in person.

Upon notification of a pending request, the awarded vendor shall make contact with the TIPS member as soon as possible, but must make contact with the TIPS member within two working days.

Scheduling of Construction Projects (when applicable)

Scheduling of projects (if applicable) will be accomplished when the TIPS member issues a purchase order that will serve as "the notice to proceed". The period for the delivery order will include the mobilization, materials purchase, installation and delivery, design, weather, and site cleanup and inspection. No additional claims may be made for delays as a result of these items. When the tasks have been completed the awarded vendor shall notify the client and have the TIPS member inspect the work for acceptance under the scope and terms in the PO. The TIPS member will issue in writing any corrective actions that are required. Upon completion of these items, the TIPS member will issue a completion notice and final payment will be issued.

Special Terms and Conditions

It is the intent of TIPS to Agreement with a reliable, high performance vendor to supply products and services to government and educational agencies. It is the experience of TIPS that the following procedures provide TIPS, the Vendor, and the participating agency the necessary support to facilitate a mutually beneficial relationship. The specific procedures will be negotiated with the successful vendor.

NEW STATUTORY REQUIREMENT EFFETIVE SEPTEMBER 1, 2017.

You certify that your company (1) does not boycott Israel; and (2) will not boycott Israel during the term of the Agreement. Texas governmental entities are prohibited from doing business with companies that fail to certify to this condition as required by Texas Government Code Sec. 2270.

You certify that your company is not listed on and we do not do business with companies that are on the Texas Comptroller of Public Accounts list of Designated Foreign Terrorists Organizations per Texas Gov't Code 2270.0153 found at https://comptroller.texas.gov/purchasing/docs/foreign-terrorist.pdf

- **Agreements:** All orders made by TIPS Members to the awarded vendor must be emailed to TIPS at tipspo@tips-usa.com. Should a TIPS Member send an order direct to vendor, it is the vendor's responsibility to forward the order to TIPS at the email above within three (3) business days and confirm its receipt with TIPS.

- **Promotion of Agreement**: It is agreed that Vendor will encourage all eligible entities to purchase from the TIPS Program. Encouraging entities to purchase directly from the Vendor and not through TIPS Agreement is a breach of this agreement terms and conditions and will result in termination and rescission of this agreement and removal of the Vendor from the TIPS Program.

- **Daily Order Confirmation**: All Agreement purchase orders will be approved daily by TIPS and sent to vendor. The vendor must confirm receipt of orders to the TIPS Member (customer) within two (2) business days.

- **Vendor custom website for TIPS**: If Vendor is hosting a custom TIPS Agreement catalog website, then any updated pricing must be posted by 1st of each month. Any increase in a "catalog" price, as defined herein, is not effective until it is published in the vendor's "catalog" as defined herein.

- **Back Ordered Products**: If product is not expected to ship within 7 business days, customer is to be notified within 24 hours of order receipt and appropriate action taken based on customer request.

Page 11 of 11 will be the TIPS Vendor Agreement Signature Page

TIPS Vendor Agreement Signature Form

170904 Managed Print Services

Company Name   Function4 LLC.

Address   12560 Reed Rd. Suite 200

City   Sugar Land   State TX   Zip 77479
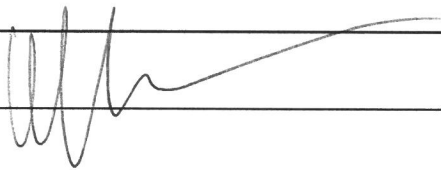
Phone   281-565-1100   Fax   281-565-1188

Email of Authorized Representative bpatsouras@function-4.com

Name of Authorized Representative Bill Patsouras

Title   Chief Financial Officer

Signature of Authorized Representative
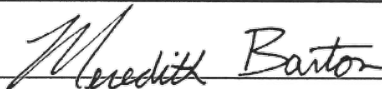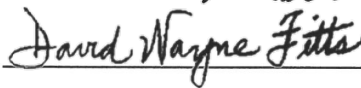
Date 10-25-17

TIPS Authorized Representative Name Meredith Barton

Title Vice-President of Operations

TIPS Authorized Representative Signature *Meredith Barton*

Approved by ESC Region 8 *David Wayne Fitts*

.Date 11/16/17

The Interlocal Purchasing System (TIPS Cooperative)
Supplier Response

Bid Information

Bid Creator	Rick Powell General Counsel/Procurement Compliance Officer
Email	rick.powell@tips-usa.com
Phone	(903) 575-2689
Fax	
Bid Number	170904 Addendum 2
Title	Managed Print Services
Bid Type	RFP
Issue Date	9/7/2017 08:03 AM (CT)
Close Date	10/27/2017 03:00:00 PM (CT)

Contact Information

Address	Region VIII Education Service Center 4845 US Highway 271 North Pittsburg, TX 75686
Contact	Kristie Collins, Contracts Compliance Specialist
Department	
Building	
Floor/Room	
Telephone	+1 (866) 839-8477
Fax	+1 (866) 839-8472
Email	bids@tips-usa.com

Ship to Information

Address	
Contact	
Department	
Building	
Floor/Room	
Telephone	
Fax	
Email	

Supplier Information

Company	Firmins Office City (Firmin Printing & Office Equipment Company)
Address	PO Box 951
	Texarkana, TX 75504-0951
Contact	
Department	
Building	
Floor/Room	
Telephone	(903) 793-5566 x306
Fax	(903) 794-6135
Email	
Submitted	10/27/2017 09:52:16 AM (CT)
Total	$0.00

By submitting your response, you certify that you are authorized to represent and bind your company.

Signature Todd Diviney   Email tdiviney@firmins.com

Supplier Notes

Bid Notes

Bid Activities

Date	Name	Description
9/27/2017 09:00:00 AM (CT)	Prebid meeting	A optional prebid meeting was requested and has been scheduled per below. PreBid Meeting Managed Print Services Wed, Sep 27, 2017 9:00 AM - 9:30 AM CDT Please join my meeting from your computer, tablet or smartphone. https://global.gotomeeting.com/join/772013493 You can also dial in using your phone. United States (Toll Free): 1 866 899 4679 United States: +1 (224) 501-3318 Access Code: 772-013-493 First GoToMeeting? Try a test session: http://link.gotomeeting.com/email-welcome

Bid Messages

Date	Subject	Message
09/25/17	Prebid meeting	A optional prebid meeting was requested and has been scheduled per below. PreBid Meeting Managed Print Services Wed, Sep 27, 2017 9:00 AM - 9:30 AM CDT Please join my meeting from your computer, tablet or smartphone. https://global.gotomeeting.com/join/772013493 You can also dial in using your phone. United States (Toll Free): 1 866 899 4679 United States: +1 (224) 501-3318 Access Code: 772-013-493 First GoToMeeting? Try a test session: http://link.gotomeeting.com/email-welcome
09/25/17	Prebid meeting	A optional prebid meeting was requested and has been scheduled per below. PreBid Meeting Managed Print Services Wed, Sep 27, 2017 9:00 AM - 9:30 AM CDT Please join my meeting from your computer, tablet or smartphone. https://global.gotomeeting.com/join/772013493 You can also dial in using your phone. United States (Toll Free): 1 866 899 4679 United States: +1 (224) 501-3318 Access Code: 772-013-493 First GoToMeeting? Try a test session: http://link.gotomeeting.com/email-welcome
10/06/17	Addendum #2 Vendor Q & A	The attachment entitled "Addendum #2 to 170904 Managed Print Services" is a vendor question and answer with TIPS posted for all potential proposers information.

Bid Attributes
Please review the following and respond where necessary

#	Name	Note	Response
1	Yes - No	Disadvantaged/Minority/Women Business Enterprise - D/M/WBE (Required by some participating governmental entities) Vendor certifies that their firm is a D/M/WBE? Vendor must upload proof of certification to the "Response Attachments" D/M/WBE CERTIFICATES section.	No
2	Yes - No	Historically Underutilized Business - HUB (Required by some participating governmental entities) Vendor certifies that their firm is a HUB as defined by the State of Texas at https://comptroller.texas.gov/purchasing/vendor/hub/ or in a HUBZone as defined by the US Small Business Administration at https://www.sba.gov/offices/headquarters/ohp Proof of one or both may be submitted. Vendor must upload proof of certification to the "Response Attachments" HUB CERTIFICATES section.	No
3	Yes - No	The Vendor can provide services and/or products to all 50 US States?	Yes
4	States Served:	If answer is NO to question #3, please list which states can be served. (Example: AR, OK, TX)	
5	Company and/or Product Description:	This information will appear on the TIPS website in the company profile section, if awarded a TIPS contract. (Limit 750 characters.)	Firmins Office City Multi Function Products

6	Primary Contact Name	Primary Contact Name	Todd Diviney
7	Primary Contact Title	Primary Contact Title	Account Spcialist
8	Primary Contact Email	Primary Contact Email	tdiviney@firmins.com
9	Primary Contact Phone	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	903-212-6144
10	Primary Contact Fax	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	903-212-6149
11	Primary Contact Mobile	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	903-767-2043
12	Secondary Contact Name	Secondary Contact Name	Brett Walker
13	Secondary Contact Title	Secondary Contact Title	Branch Manager
14	Secondary Contact Email	Secondary Contact Email	bwalker@firmins.com
15	Secondary Contact Phone	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	903-212-6144
16	Secondary Contact Fax	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	903-212-6149
17	Secondary Contact Mobile	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	903-309-8480
18	Admin Fee Contact Name	Admin Fee Contact Name. This person is responsible for paying the admin fee to TIPS.	Ruby Firmin
19	Admin Fee Contact Email	Admin Fee Contact Email	ruby@firmins.com
20	Admin Fee Contact Phone	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	903-793-5566
21	Purchase Order Contact Name	Purchase Order Contact Name. This person is responsible for receiving Purchase Orders from TIPS.	Brett Walker
22	Purchase Order Contact Email	Purchase Order Contact Email	bwalker@firmins.com
23	Purchase Order Contact Phone	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	903-212-6144
24	Company Website	Company Website (Format - www.company.com)	www.firmins.com
25	Federal ID Number:	Federal ID Number also known as the Employer Identification Number. (Format - 12-3456789)	75-1324383
26	Primary Address	Primary Address	2217 State Line
27	Primary Address City	Primary Address City	Texarkana
28	Primary Address State	Primary Address State (2 Digit Abbreviation)	Texas
29	Primary Address Zip	Primary Address Zip	75501

30	Search Words:	Please list search words to be posted in the TIPS database about your company that TIPS website users might search. Words may be product names, manufacturers, or other words associated with the category of award. YOU MAY NOT LIST NON-CATEGORY ITEMS. (Limit 500 words) (Format: product, paper, construction, manufacturer name, etc.)	MFP, Multi function products, scan, print, fax, copy, copier, printer, scanner, fax machine, network, networked, USB, Konica Minolta, Kyocera, Toner, Drum, Data, Tech, Inkjet, Dot Matrix, 3D printer, Laser Printer, output device, images, text documents, Ink, Color, Margin, Anastatic Process, Auxiliary Print, Follow Copy, Imprint, finisher, stapler, hole punch, ledger, legal, numbering, Odd Folios, Pamphlet, Duplex, page per minute, by-pass tray, automatic document feeder, media tray, toner bottle, copy paper, perforating, drum cylinder, collate, maintenance,
31	Yes - No	Most of our members receive Federal Government grants and they make up a significant portion of their budgets. The members need to know if your company is willing to sell to them when they spend federal budget funds on their purchase. There are attributes that follow that are provisions from the federal regulations in 2 CFR part 200. Your answers will determine if your award will be designated as Federal or Education Department General Administrative Regulations (EDGAR)compliant. Is it your intent to be able to sell to our members regardless of the fund source, whether it be local, state or federal?	No
32	Yes - No	Certification of Residency (Required by the State of Texas) The vendor's ultimate parent company or majority owner: (A) has its principal place of business in Texas; OR (B) employs at least 500 persons in Texas?	Yes
33	Company Residence (City)	Vendor's principal place of business is in the city of?	Texarkana
34	Company Residence (State)	Vendor's principal place of business is in the state of?	Texas
35	Felony Conviction Notice:	(Required by the State of Texas) My firm is, as outlined on PAGE 5 in the Instructions to Bidders document: (Questions 36 - 37) Statutory citation covering notification of criminal history of contractor is found in the Texas Education Code #44.034. Following is an example of a felony conviction notice: State of Texas Legislative Senate Bill No. 1, Section 44.034, Notification of Criminal History, Subsection (a), states "a person or business entity that enters into a contract with a school district or ESC 8/TIPS must give advance notice to the district or ESC 8/TIPS if the person or an owner or operator of the business entity has been convicted of a felony. The notice must include a general description of the conduct resulting in the conviction of a felony." Subsection (b) states "a school district may terminate a contract with a person or business entity if the district determines that the person or business entity failed to give notice as required by Subsection (a) or misrepresented the conduct resulting in the conviction. The district must compensate the person or business entity for services performed	(No Response Required)

		before the termination of the contract."	
36	Yes - No	A publicly held corporation; therefore, this reporting requirement is not applicable?	No
37	Yes - No	Is owned or operated by individual(s) who has/have been convicted of a felony?	No
38	If your firm is owned or operated by the following individual(s) who has/have been convicted of a felony:	Please provide details of the conviction. This is not necessarily a disqualifying factor and the details of the conviction determines the eligibility. Providing false or misleading information about the conviction is illegal.	
39	Pricing Information:	Pricing information section. (Questions 39 - 43)	(No Response Required)
40	Discount Offered	What is the MINIMUM percentage discount off of any item or service you offer to TIPS Members that is in your regular catalog (as defined in the RFP document), website, store or shelf pricing? This is a ceiling on your pricing and not a floor because, in order to be more competitive in the individual circumstance, you may offer a larger discount depending on the items or services purchased and the quantity at time of sale. Must answer with a number between 0% and 100%.	0%
41	TIPS administration fee	By submitting a proposal, I agree that all pricing submitted to TIPS shall include the participation fee, as designated in the solicitation or as otherwise agreed in writing and shall be remitted to TIPS by the Vendor as agreed in the Vendor agreement. I agree that the fee shall not and will not be added by the vendor as a separate line item on a TIPS member invoice, quote, proposal or any other written communications with the TIPS member.	(No Response Required)
42	Yes - No	Vendor agrees to remit to TIPS the required administration fee? TIPS/ESC Region 8 is required by Texas Government Code § 791 to be compensated for its work and thus, failure to agree shall render your response void and it will not be considered.	Yes
43	Yes - No	Do you offer additional discounts to TIPS members for large order quantities or large scope of work?	Yes
44	Start Time	Average start time after receipt of customer order is _____ working days?	2
45	Years Experience	Company years experience in this category?	20
46	Resellers:	Does the vendor have resellers that it will name under this contract? Resellers are defined as other companies that sell your products under an agreement with you, the awarded vendor of TIPS. EXAMPLE: Walmart is a reseller of Samsung Electronics. If Samsung were a TIPS awarded vendor, then Samsung would list Walmart as a reseller. (If applicable, vendor should download the Reseller/Dealers spreadsheet from the Attachments section, fill out the form and submit the document in the "Response Attachments" RESELLERS section.	No
47	Prices are guaranteed for?	Vendor agrees to honor the pricing discount off regular catalog (as defined in the RFP document), website, store or shelf pricing for the term of the award?	YES

48	Right of Refusal	Does the proposing vendor wish to reserve the right not to perform under the awarded agreement with a TIPS member at vendor's discretion?	No
49	NON-COLLUSIVE BIDDING CERTIFICATE	By submission of this bid or proposal, the Bidder certifies that: 1) This bid or proposal has been independently arrived at without collusion with any other Bidder or with any Competitor; 2) This bid or proposal has not been knowingly disclosed and will not be knowingly disclosed, prior to the opening of bids, or proposals for this project, to any other Bidder, Competitor or potential competitor: 3) No attempt has been or will be made to induce any other person, partnership or corporation to submit or not to submit a bid or proposal; 4) The person signing this bid or proposal certifies that he has fully informed himself regarding the accuracy of the statements contained in this certification, and under the penalties being applicable to the Bidder as well as to the person signing in its behalf. Not a negotiable term. Failure to agree will render your proposal non-responsive and it will not be considered.	(No Response Required)
50	CONFLICT OF INTEREST QUESTIONNAIRE - FORM CIQ	If you have a conflict of interest as described in this form or the Local Government Code Chapter 176, cited therein-you are required to complete and file with TIPS, Richard Powell, 4845 US Highway 271 North, Pittsburg, Texas 75686 You may find the Blank CIQ form on our website at: Copy and Paste the following link into a new browser or tab: https://www.tips-usa.com/assets/documents/docs/CIQ.pdf Do you have any conflicts under this statutory requirement?	No
51	Filing of Form CIQ	If yes (above), have you filed a form CIQ as directed here?	
52	Regulatory Standing	I certify to TIPS for the proposal attached that my company is in good standing with all governmental agencies Federal or state that regulate any part of our business operations. If not, please explain in the next attribute question.	Yes
53	Regulatory Standing	Regulatory Standing explanation of no answer on previous question.	

| 54 | Antitrust Certification Statements (Tex. Government Code § 2155.005) | By submission of this bid or proposal, the Bidder certifies that:

I affirm under penalty of perjury of the laws of the State of Texas that:
(1) I am duly authorized to execute this contract on my own behalf or on behalf of the company, corporation, firm, partnership or individual (Company) listed below;
(2) In connection with this bid, neither I nor any representative of the Company has violated any provision of the Texas Free Enterprise and Antitrust Act, Tex. Bus. & Comm. Code Chapter 15;
(3) In connection with this bid, neither I nor any representative of the Company has violated any federal antitrust law;
(4) Neither I nor any representative of the Company has directly or indirectly communicated any of the contents of this bid to a competitor of the Company or any other company, corporation, firm, partnership or individual engaged in the same line of business as the Company. | (No Response Required) |

| 55 | Suspension or Debarment Instructions | Instructions for Certification: | (No Response Required) |

Instructions for Certification:

1. By agreeing to the Attribute question #56, the vendor and prospective lower tier participant is providing the certification set out herein in accordance with these instructions.

2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification in addition to other remedies available to the federal government, the department or agency with which this transaction originated may pursue available remedies, including suspension and / or debarment.

3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

4. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participants," "person," "primary covered transaction," "principal," "proposal" and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.

5. The prospective lower tier participant agrees by submitting this form that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

6. The prospective lower tier participant further agrees by submitting this form that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction" without modification in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.

8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible or voluntarily excluded from participation in this transaction, in addition to other remedies available to the federal government, the department or agency with which this

transaction originated may pursue available remedies, including suspension and / or debarment.

| 56 | Suspension or Debarment Certification | Debarment and Suspension (Executive Orders 12549 and 12689)—A contract award (see 2 CFR 180.220) must not be made to parties listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive
Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

By submitting this offer and certifying this section, this bidder:
Certifies that no suspension or debarment is in place, which would preclude receiving a federally funded contract as described above. | Yes |
| 57 | Non-Discrimination Statement and Certification | In accordance with Federal civil rights law, all U.S. Departments, including the U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, religion, sex, gender identity (including gender expression), sexual orientation, disability, age, marital status, family/parental status, income derived from a public assistance program, political beliefs, or reprisal or retaliation for prior civil rights activity, in any program or activity conducted or funded by USDA (not all bases apply to all programs). Remedies and complaint filing deadlines vary by program or incident.
Persons with disabilities who require alternative means of communication for program information (e.g., Braille, large print, audiotape, American Sign Language, etc.) should contact the responsible Agency or USDA's TARGET Center at (202) 720-2600 (voice and TTY) or contact USDA through the Federal Relay Service at (800) 877-8339. Additionally, program information may be made available in languages other than English.
To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at How to File a Program Discrimination Complaint and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by: (1) mail: U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410; (2) fax: (202) 690-7442; or (3)
email: program.intake@usda.gov.
(Title VI of the Education Amendments of 1972; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975; Title 7 CFR Parts 15, 15a, and 15b; the Americans with Disabilities Act; and FNS Instruction 113-1, Civil Rights Compliance and Enforcement – Nutrition Programs and Activities)
All U.S. Departments, including the USDA are equal opportunity provider, employer, and lender.

Not a negotiable term. Failure to agree will render your | Yes |

proposal non-responsive and it will not be considered. I certify that in the performance of a contract with TIPS or its members, that our company will conform to the foregoing anti-discrimination statement and comply with the cited and all other applicable laws and regulations.

58	2 CFR PART 200 Contract Provisions Explanation	Required Federal contract provisions of Federal Regulations for Contracts for contracts with ESC Region 8 and TIPS Members: The following provisions are required to be in place and agreed if the procurement is funded in any part with federal funds. The ESC Region 8 and TIPS Members are the subgrantee or Subrecipient by definition. Most of the provisions are located in 2 CFR PART 200 - Appendix II to Part 200—Contract Provisions for Non-Federal Entity Contracts Under Federal Awards at 2 CFR PART 200. Others are included within 2 CFR part 200 et al. In addition to other provisions required by the Federal agency or non-Federal entity, all contracts made by the non-Federal entity under the Federal award must contain provisions covering the following, as applicable.	(No Response Required)
59	2 CFR PART 200 Contracts	Contracts for more than the simplified acquisition threshold currently set at $150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate. Notice: Pursuant to the above, when federal funds are expended by ESC Region 8 and TIPS Members, ESC Region 8 and TIPS Members reserves all rights and privileges under the applicable laws and regulations with respect to this procurement in the event of breach of contract by either party. Does vendor agree?	Yes
60	2 CFR PART 200 Termination	Termination for cause and for convenience by the grantee or subgrantee including the manner by which it will be effected and the basis for settlement. (All contracts in excess of $10,000) Pursuant to the above, when federal funds are expended by ESC Region 8 and TIPS Members, ESC Region 8 and TIPS Members reserves the right to terminate any agreement in excess of $10,000 resulting from this procurement process for cause after giving the vendor an appropriate opportunity and up to 30 days, to cure the causal breach of terms and conditions. ESC Region 8 and TIPS Members reserves the right to terminate any agreement in excess of $10,000 resulting from this procurement process for convenience with 30 days notice in writing to the awarded vendor. The vendor would be compensated for work performed and goods procured as of the termination date if for convenience of the ESC Region 8 and TIPS Members. Any award under this procurement process is not exclusive and the ESC Region 8 and TIPS reserves the right to purchase goods and services from other vendors when it is in the best interest of the ESC Region 8 and TIPS. Does vendor agree?	Yes

61	2 CFR PART 200 Clean Air Act	Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), as amended—Contracts and subgrants of amounts in excess of $150,000 must contain a provision that requires the non-Federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA). Pursuant to the Clean Air Act, et al above, when federal funds are expended by ESC Region 8 and TIPS Members, ESC Region 8 and TIPS Members requires that the proposer certify that during the term of an award by the ESC Region 8 and TIPS Members resulting from this procurement process the vendor agrees to comply with all of the above regulations, including all of the terms listed and referenced therein. Does vendor agree?	Yes
62	2 CFR PART 200 Byrd Anti-Lobbying Amendment	Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)—Contractors that apply or bid for an award exceeding $100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award. Pursuant to the above, when federal funds are expended by ESC Region 8 and TIPS Members, ESC Region 8 and TIPS Members requires the proposer certify that during the term and during the life of any contract with ESC Region 8 and TIPS Members resulting from this procurement process the vendor certifies to the terms included or referenced herein. Does vendor agree?	Yes
63	2 CFR PART 200 Federal Rule	Compliance with all applicable standards, orders, or requirements issued under section 306 of the Clean Air Act (42 U.S.C. 1857(h)), section 508 of the Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and Environmental Protection Agency regulations (40 CFR part 15). (Contracts, subcontracts, and subgrants of amounts in excess of $100,000) Pursuant to the above, when federal funds are expended by ESC Region 8 and TIPS Members, ESC Region 8 and TIPS Members requires the proposer certify that in performance of the contracts, subcontracts, and subgrants of amounts in excess of $100,000, the vendor will be in compliance with all applicable standards, orders, or requirements issued under section 306 of the Clean Air Act (42 U.S.C. 1857(h)), section 508 of the Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and Environmental Protection Agency regulations (40 CFR part 15). Does vendor certify that it is in compliance with the Clean Air Act?	Yes

| 64 | 2 CFR PART 200 Procurement of Recovered Materials | A non-Federal entity that is a state agency or agency of a political subdivision of a state and its contractors must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds $10,000 or the value of the quantity acquired during the preceding fiscal year exceeded $10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines. Does vendor certify that it is in compliance with the Solid Waste Disposal Act as described above? | Yes |
| 65 | Indemnification | The ESC Region 8 and TIPS is a Texas Political Subdivision and a local governmental entity; therefore, is prohibited from indemnifying third parties pursuant to the Texas Constitution (Article 3, Section 52) except as specifically provided by law or as ordered by a court of competent jurisdiction. A provision in a contract to indemnify or hold a party harmless is a promise to pay for any expenses the indemnified party incurs, if a specified event occurs, such as breaching the terms of the contract or negligently performing duties under the contract. Article III, Section 49 of the Texas Constitution states that "no debt shall be created by or on behalf of the State ... " The Attorney General has counseled that a contractually imposed obligation of indemnity creates a "debt" in the constitutional sense. Tex. Att'y Gen. Op. No. MW-475 (1982). Contract clauses which require the System or institutions to indemnify must be deleted or qualified with "to the extent permitted by the Constitution and Laws of the State of Texas." Liquidated damages, attorney's fees, waiver of vendor's liability, and waiver of statutes of limitations clauses should also be deleted or qualified with "to the extent permitted by the Constitution and laws of State of Texas." Not a negotiable term. Failure to agree will render your proposal non-responsive and it will not be considered. Do you agree to these terms? | Yes |

| 66 | Remedies | The parties shall be entitled to exercise any right or remedy available to it either at law or in equity, subject to the choice of law, venue and service of process clauses limitations agreed herein. Nothing in this agreement shall commit the TIPS to an arbitration resolution of any disagreement under any circumstances. Any Claim arising out of or related to the Contract, except for those specifically waived under the terms of the Contract, may, after denial of the Board of Directors, be subject to mediation at the request of either party. Any issues not resolved hereunder must be referred to non-binding mediation to be conducted by a mutually agreed upon mediator as a prerequisite to the filing of any lawsuit over such issue(s). The parties shall share the mediator's fee and any associated filing fee equally. Mediation shall be held in Camp or Titus County, Texas. Agreements reached in mediation shall be reduced to writing, and will be subject to the approval by the District's Board of Directors, signed by the Parties if approved by the Board of Directors, and, if signed, shall thereafter be enforceable as provided by the laws of the State of Texas. Do you agree to these terms? | Yes, I Agree |

| 67 | Remedies Explanation of No Answer | | |

| 68 | Choice of Law | This agreement and any addenda or other additions and all contracts or awards resulting from this procurement process, however described, shall be governed by, construed and enforced in accordance with the laws of the State of Texas, regardless of any conflict of laws principles. Not a negotiable term. Failure to agree will render your proposal non-responsive and it will not be considered. Do you agree to these terms? | Yes |

| 69 | Jurisdiction and Service of Process | Any Proceeding arising out of or relating to this procurement process or any contract issued by TIPS resulting from or any contemplated transaction shall be brought in a court of competent jurisdiction in Camp County, Texas and each of the parties irrevocably submits to the exclusive jurisdiction of said court in any such proceeding, waives any objection it may now or hereafter have to venue or to convenience of forum, agrees that all claims in respect of the Proceeding shall be heard and determined only in any such court, and agrees not to bring any proceeding arising out of or relating to this procurement process or any contract resulting from or any contemplated transaction in any other court. The parties agree that either or both of them may file a copy of this paragraph with any court as written evidence of the knowing, voluntary and freely bargained for agreement between the parties irrevocably to waive any objections to venue or to convenience of forum. Process in any Proceeding referred to in the first sentence of this Section may be served on any party anywhere in the world. Venue clauses in contracts with TIPS members may be determined by the parties. | Yes |

Not a negotiable term. Failure to agree will render your proposal non-responsive and it will not be considered. Do you agree to these terms?

70	Alternative Dispute Resolution	Prior to filing of litigation, the parties may select non-binding mediation as a method of conflict resolution for issues arising out of or relating to this procurement process or any contract resulting from or any contemplated transaction. The parties agree that if nonbinding mediation is chosen as a resolution process, the parties must agree to the chosen mediator(s) and that all mediation venue shall be at a location in Camp or Titus, County, Texas agreed by the parties. The parties agree to share equally the cost of the mediation process and venue cost. Do you agree to these terms?	Yes, I Agree
71	Alternative Dispute Resolution Explanation of No Answer		
72	Infringement(s)	The successful vendor will be expected to indemnify and hold harmless the TIPS and its employees, officers, agents, representatives, contractors, assignees and designees from any and all third party claims and judgments involving infringement of patent, copyright, trade secrets, trade or service marks, and any other intellectual or intangible property rights attributed to or claims based on the Vendor's proposal or Vendor's performance of contracts awarded and approved. Do you agree to these terms?	Yes, I Agree
73	Infringement(s) Explanation of No Answer		
74	Acts or Omissions	The successful vendor will be expected to indemnify and hold harmless the TIPS, its officers, employees, agents, representatives, contractors, assignees and designees from and against any and all liability, actions, claims, demands or suits, and all related costs, attorney's fees and expenses arising out of, or resulting from any acts or omissions of the vendor or its agents, employees, subcontractors, or suppliers in the execution or performance of any agreements ultimately made by TIPS and the vendor. Do you agree to these terms?	Yes, I Agree
75	Acts or Omissions Explanation of No Answer		
76	Contract Governance	Any contract made or entered into by the TIPS is subject to and is to be governed by Section 271.151 et seq, Tex Loc Gov't Code. Otherwise, TIPS does not waive its governmental immunities from suit or liability except to the extent expressly waived by other applicable laws in clear and unambiguous language.	Yes

| 77 | Payment Terms and Funding Out Clause | Payment Terms:
TIPS or TIPS members shall not be liable for interest or late payment fees on past due balances at a rate higher than permitted by the laws or regulations of the jurisdiction of the TIPS Member.

Funding Out Clause:
Vendor agrees to abide by the laws and regulations, including Texas Local Government Code § 271.903, or any statutory or regulatory limitations of the jurisdiction of any TIPS Member which governs contracts entered into by the Vendor and TIPS or a TIPS Member that requires all contracts approved by TIPS or a TIPS Member are subject to the budgeting and appropriation of currently available funds by the entity or its governing body.
See statute(s) for specifics or consult your legal counsel. Not a negotiable term. Failure to agree will render your proposal non-responsive and it will not be considered.
Do you agree to these terms? | Yes |
| 78 | Insurance and Fingerprint Requirements Information | Insurance
If applicable and your staff will be on TIPS member premises for delivery, training or installation etc. and/or with an automobile, you must carry automobile insurance as required by law. You may be asked to provide proof of insurance.
Fingerprint
It is possible that a vendor may be subject to Chapter 22 of the Texas Education Code. The Texas Education Code, Chapter 22, Section 22.0834. Statutory language may be found at: http://www.statutes.legis.state.tx.us/
If the vendor has staff that meet both of these criterion:
(1) will have continuing duties related to the contracted services; and
(2) has or will have direct contact with students
Then you have "covered" employees for purposes of completing the attached form.
TIPS recommends all vendors consult their legal counsel for guidance in compliance with this law. If you have questions on how to comply, see below. If you have questions on compliance with this code section, contact the Texas Department of Public Safety Non-Criminal Justice Unit, Access and Dissemination Bureau, FAST-FACT at
NCJU@txdps.state.tx.us and you should send an email identifying you as a contractor to a Texas Independent School District or ESC Region 8 and TIPS. Texas DPS phone number is (512) 424-2474.
See form in the next attribute to complete entitled:
Texas Education Code Chapter 22 Contractor Certification for Contractor Employees | (No Response Required) |

| 79 | Texas Education Code Chapter 22 Contractor Certification for Contractor Employees | Introduction: Texas Education Code Chapter 22 requires entities that contract with school districts to provide services to obtain criminal history record information regarding covered employees. Contractors must certify to the district that they have complied. Covered employees with disqualifying criminal histories are prohibited from serving at a school district.
Definitions: Covered employees: Employees of a contractor or subcontractor who have or will have continuing duties related to the service to be performed at the District and have or will have direct contact with students. The District will be the final arbiter of what constitutes direct contact with students. Disqualifying criminal history: Any conviction or other criminal history information designated by the District, or one of the following offenses, if at the time of the offense, the victim was under 18 or enrolled in a public school:
(a) a felony offense under Title 5, Texas Penal Code; (b) an offense for which a defendant is required to register as a sex offender under Chapter 62, Texas Code of Criminal Procedure; or (c) an equivalent offense under federal law or the laws of another state.
I certify that:
NONE (Section A) of the employees of Contractor and any subcontractors are covered employees, as defined above. If this box is checked, I further certify that Contractor has taken precautions or imposed conditions to ensure that the employees of Contractor and any subcontractor will not become covered employees. Contractor will maintain these precautions or conditions throughout the time the contracted services are provided.
OR
SOME (Section B) or all of the employees of Contractor and any subcontractor are covered employees. If this box is checked, I further certify that:
(1) Contractor has obtained all required criminal history record information regarding its covered employees. None of the covered employees has a disqualifying criminal history.
(2) If Contractor receives information that a covered employee subsequently has a reported criminal history, Contractor will immediately remove the covered employee from contract duties and notify the District in writing within 3 business days.
(3) Upon request, Contractor will provide the District with the name and any other requested information of covered employees so that the District may obtain criminal history record information on the covered employees.
(4) If the District objects to the assignment of a covered employee on the basis of the covered employee's criminal history record information, Contractor agrees to discontinue using that covered employee to provide services at the District.
Noncompliance or misrepresentation regarding this certification may be grounds for contract termination. | None |
| 80 | Solicitation Deviation/Compliance | Does the vendor agree with the General Conditions Standard Terms and Conditions or Item Specifications listed in this proposal invitation? | Yes |

81	Solicitation Exceptions/Deviations Explanation	If the bidder intends to deviate from the General Conditions Standard Terms and Conditions or Item Specifications listed in this proposal invitation, all such deviations must be listed on this attribute, with complete and detailed conditions and information included or attached. TIPS will consider any deviations in its proposal award decisions, and TIPS reserves the right to accept or reject any bid based upon any deviations indicated below or in any attachments or inclusions. In the absence of any deviation entry on this attribute, the proposer assures TIPS of their full compliance with the Standard Terms and Conditions, Item Specifications, and all other information contained in this Solicitation.	
82	Agreement Deviation/Compliance	Does the vendor agree with the language in the Vendor Agreement?	Yes
83	Agreement Exceptions/Deviations Explanation	If the proposing Vendor desires to deviate form the Vendor Agreement language, all such deviations must be listed on this attribute, with complete and detailed conditions and information included. TIPS will consider any deviations in its proposal award decisions, and TIPS reserves the right to accept or reject any proposal based upon any deviations indicated below. In the absence of any deviation entry on this attribute, the proposer assures TIPS of their full compliance with the Vendor Agreement.	
84	Texas Business and Commerce Code § 272 Requirements as of 9-1-2017	SB 807 prohibits construction contracts to have provisions requiring the contract to be subject to the laws of another state, to be required to litigate the contract in another state, or to require arbitration in another state. A contract with such provisions is voidable. Under this new statute, a "construction contract" includes contracts, subcontracts, or agreements with (among others) architects, engineers, contractors, construction managers, equipment lessors, or materials suppliers. "Construction contracts" are for the design, construction, alteration, renovation, remodeling, or repair of any building or improvement to real property, or for furnishing materials or equipment for the project. The term also includes moving, demolition, or excavation. BY RESPONDING TO THIS SOLICITATION, PROPOSER AGREES TO COMPLY WITH THE TEXAS BUSINESS AND COMMERCE CODE § 272 WHEN EXECUTING CONTRACTS WITH TIPS MEMBERS THAT ARE TEXAS GOVERNMENT ENTITIES.	(No Response Required)

Line Items

Response Total:	$0.00

REFERENCES

Please provide three (3) references, preferably from school districts or other governmental entities who have used your services withi
the last three years. Additional references may be required. DO NOT INCLUDE TIPS EMPLOYEES AS A REFERENCE.

You may provide more than three (3) references.

Entity Name	Contact Person	Email	Phone
Lumberton Independent School District	Daniel Cazares	dcazares@lumberton.k12.tx.us	409-923-7508
Orangefield Independent School District	Jennifer Gauthier	jgauthier@orangefieldisd.net	409.734.8606
Jefferson County	Deb Syphrett	syphrett@co.jefferson.tx.us	409-835-8599
Chambers County	George Barrera	gbarrera@co.chambers.tx.us	409-267-2448
Cleveland Independent School District	James Gonzales	jgonzales@clevelandisd.org	281-592-8717
Lamar Consolidated Independent School District	Jorge Carmona	jcarmona@lcisd.org	832-223-0343

Certification Regarding Lobbying

Applicable to Grants, Subgrants, Cooperative Agreements, and Contracts Exceeding $100,000 in Federal Funds.

Submission of this certification is a prerequisite for making or entering into this transaction and is imposed by section 1352, Title 31, U.S. Code. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with the awarding of a Federal contract, the making of a Federal grant, the making of a Federal loan, the entering into a cooperative agreement, and the extension, continuation, renewal, amendment, or modification of a Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all covered subawards exceeding $100,000 in Federal funds at all appropriate tiers and that all subrecipients shall certify and disclose accordingly.

Function 4 LLC

12560 Reed Rd   Sugar Land TX   77478
Name/Address of Organization

Bill Patsouras   Partner
Name/Title of Submitting Official

[signature]
Signature

_10/24/2017_
Date

FELONY CONVICTION NOTICE

FOR RESPONSE TO TIPS SOLICITATION

Statutory citation covering notification of criminal history of contractor is found in the Texas Education Code #44.034. Following is an example of a felony conviction notice:

State of Texas Legislative Senate Bill No. 1, Section 44.034, Notification of Criminal History, Subsection (a), states "a person or business entity that enters into a contract with a school district must give advance notice to the district if the person or an owner or operator of the business entity has been convicted of a felony. The notice must include a general description of the conduct resulting in the conviction of a felony." Subsection (b) states "a school district may terminate a contract with a person or business entity if the district determines that the person or business entity failed to give notice as required by Subsection (a) or misrepresented the conduct resulting in the conviction. The district must compensate the person or business entity for services performed before the termination of the contract."

THIS NOTICE IS NOT REQUIRED OF A PUBLICLY-HELD CORPORATION

Complete only one of the three below: A *or* B *or* C.

I, the undersigned agent for the firm named below, certify that the information concerning notification of felony convictions has been reviewed by me and the following information furnished is true to the best of my knowledge.

Official: _Bill PATSOURAS_
Print Authorized Company Official's Name

A. My firm is a publicly held corporation; therefore, this reporting requirement is not applicable.

Signature of Authorized Company Official: _____

OR

B. My firm is not owned nor operated by anyone who has been convicted of a felony:

Signature of Authorized Company Official: _____

OR

C. My firm is owned or operated by the following individual(s) who has/have been convicted of a felony:

Name of Felon(s): _____

Details of Conviction(s): _____
You may attach anther sheet
Signature of Authorized Company Official: _____

CERTIFICATION BY CORPORATE OFFERER

THE FOLLOWING CERTIFICATE SHOULD BE EXECUTED AND INCLUDED AS PART OF PROPOSAL FORM/PROPOSAL FORM.

OFFERER: _Function 4_

(Name of Corporation)

I, _Robert EVANS_ certify that I am the Secretary of the Corporation

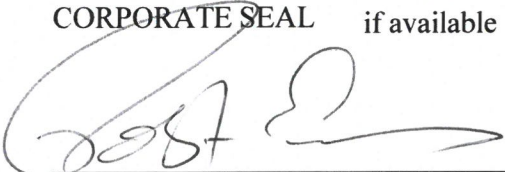(Name of Corporate Secretary)

named as OFFERER herein above; that

Bill PaTsouras

(Name of person who completed proposal document)

who signed the foregoing proposal on behalf of the corporation offerer is the authorized person that is acting as

Partner

(Title/Position of person signing proposal/offer document within the corporation)

of the said Corporation; that said proposal/offer was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

CORPORATE SEAL   if available

SIGNATURE

_10 / 25 / 2017_

DATE

Federal Requirements for Procurement and Contracting with small and minority businesses, women's business enterprises, and labor surplus area firms.

The Education Service Center Region 8 and TIPS Members anticipate possibly using federal funds for procurement under this potential award and is required to obtain the following compliance assurance.

1. Will you be subcontracting any of your work under this award if you are successful? (Circle one)

☐ **YES or NO** ☑

2. If yes, do you agree to comply with the following federal requirements? (Circle one)

☐ **YES or NO** ☐

2 CFR §200.321 Contracting with small and minority businesses, women's business enterprises, and labor surplus area firms.

(a) The non-Federal entity must take all necessary affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used when possible.

(b) Affirmative steps must include:
(1) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
(2) Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
(3) Dividing total requirements, when economically feasible, into
smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
(4) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises;
(5) Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce ; and
(6) Requiring the prime contractor, if subcontracts are to be let, to take the affirmative steps listed in paragraphs (1) through (5) of this section.

Company Name _Function 4_

Print name of authorized representative _Bill PATSOURAS_

Signature of authorized representative _[signature]_

Date _10/25/2017_

Texas Government Code 2270 Verification Form

Texas 2017 House Bill 89 has been signed into law by the governor and as of September 1, 2017 will become law codified as Texas Government Code § 2270 and 808 et seq.

The relevant section addressed by this form reads as follows:
Texas Government Code Sec. 2270.002. PROVISION REQUIRED IN CONTRACT. A governmental entity may not enter into a contract with a company for goods or services unless the contract contains a written verification from the company that it: (1) does not boycott Israel; and (2) will not boycott Israel during the term of the contract.

I, _____Bill PATSOURAS_____ as an authorized representative of

_____Function 4_____, a contractor/vendor
Insert Name of Company

engaged by

ESC Region 8/The Interlocal Purchasing System (TIPS)
4845 Highway 271 North
Pittsburg,TX,75686

verify by this writing that the above-named company affirms that it (1) does not boycott Israel; and (2) will not boycott Israel during the term of this contract, or any contract with the above-named Texas governmental entity in the future. I further affirm that if our company's position on this issue is reversed and this affirmation is no longer valid, that the above-named Texas governmental entity will be notified in writing within one (1) business day and we understand that our company's failure to affirm and comply with the requirements of Texas Government Code 2270 et seq. shall be grounds for immediate contract termination without penalty to the above-named Texas governmental entity.

AND

our company is not listed on and we do not do business with companies that are on the the Texas Comptroller of Public Accounts list of Designated Foreign Terrorists Organizations per Texas Gov't Code 2270.0153 found at https://comptroller.texas.gov/purchasing/docs/foreign-terrorist.pdf

I swear and affirm that the above is true and correct.

_____   10/25/2017
Signature of Named Authorized Company Representative   Date

FAILURE TO PROPERLY COMPLETE THIS FORM AND SUBMIT WITH YOUR RESPONSE MAY RESULT IN A WAIVER OF YOUR RIGHTS UNDER THE LAW TO MAINTAIN CONFIDENTIALITY TREATMENT OF SUBMITTED MATERIALS.

CONFIDENTIAL INFORMATION SUBMITTED IN RESPONSE TO COMPETITIVE PROCUREMENT REQUESTS OF EDUCATION SERVICE CENTER REGION 8 AND TIPS IS GOVERNED BY TEXAS GOVERNMENT CODE, CHAPTER 552

If you consider any portion of your proposal to be confidential information and not subject to public disclosure pursuant to Chapter 552 Tex Gov't Code or other law(s), **you must make a copy of all claimed confidential materials within your proposal and put this COMPLETED form as a cover sheet to said materials then scan, name "CONFIDENTIAL" and upload with your proposal submission.** (You must include the confidential information in the submitted proposal as well, the copy uploaded is to indicate which material in your proposal, if any, you deem confidential in the event the District receives a Public Information Request.) Education Service Center Region 8 and TIPS will follow procedures of controlling statute(s) regarding any claim of confidentiality and shall not be liable for any release of information required by law. Pricing of solicited product or service may be deemed as public information under Chapter 552 Tex Gov't Code. The Office of Texas Attorney General shall make the final determination whether the information held by Education Service Center Region 8 and TIPS is confidential and exempt from public disclosure.

I _DO NOT_ desire to expressly waive any claim of confidentiality as to any and all information contained within our response to the competitive procurement process (e.g. RFP, CSP, Bid, RFQ, etc.) by completing the following and submitting this sheet with our response to Education Service Center Region 8 and TIPS. The attached contains material from our proposal that I classify and deem confidential under Texas Gov't Code Sec. 552 or other law(s) and I invoke my statutory rights to confidential treatment of the enclosed materials:

_____
Name of company claiming confidential status of material

_____
Printed Name, Title, and Signature of authorized company officer claiming confidential status of material

_____
Address   City   State   ZIP   Phone

ATTACHED ARE COPIES OF _____ PAGES OF CONFIDENTIAL MATERIAL FROM OUR PROPOSAL

Express Waiver: I desire to expressly waive any claim of confidentiality as to any and all information contained within our response to the competitive procurement process (e.g. RFP, CSP, Bid, RFQ, etc.) by completing the following and submitting this sheet with our response to Education Service Center Region 8 and TIPS.

Function -4
_____
Name of company expressly waiving confidential status of material

Bill Patsouras   Partner   K
_____
Printed Name, Title, and Signature of authorized company officer expressly waiving confidential status of material

12560 Reed Rd   Sugar Land   TX   77478   281-565-1100
_____
Address   City   State   ZIP   Phone

HUB Subcontracting Plan (HSP)
QUICK CHECKLIST

While this HSP Quick Checklist is being provided to merely assist you in readily identifying the sections of the HSP form that you will need to complete, it is very important that you adhere to the instructions in the HSP form and instructions provided by the contracting agency.

➤ If you will be awarding all of the subcontracting work you have to offer under the contract to only Texas certified HUB vendors, complete:

☐ Section 1 - Respondent and Requisition Information

☐ Section 2 a. - Yes, I will be subcontracting portions of the contract

☐ Section 2 b. - List all the portions of work you will subcontract, and indicate the percentage of the contract you expect to award to Texas certified HUB vendors

☐ Section 2 c. - Yes

☐ Section 4 - Affirmation

☐ GFE Method A (Attachment A) - Complete an Attachment A for each of the subcontracting opportunities you listed in Section 2 b.

➤ If you will be subcontracting any portion of the contract to Texas certified HUB vendors and Non-HUB vendors, and the aggregate percentage of all the subcontracting work you will be awarding to the Texas certified HUB vendors with which you have a *continuous contract* in place for five (5) years or less *meets or exceeds* the HUB Goal the contracting agency identified in the "Agency Special Instructions/Additional Requirements", complete:

☐ Section 1 - Respondent and Requisition Information

☐ Section 2 a. - Yes, I will be subcontracting portions of the contract

☐ Section 2 b. - List all the portions of work you will subcontract, and indicate the percentage of the contract you expect to award to Texas certified HUB

vendors and Non-HUB venders

☐ Section 2 c. - No

☐ Section 2 d. - Yes

☐ Section 4 - Affirmation

☐ GFE Method A (Attachment A) - Complete an Attachment A for each of the subcontracting opportunities you listed in Section 2 b.

➤ If you will be subcontracting any portion of the contract to Texas certified HUB vendors and Non-HUB vendors or only to Non-HUB vendors, and the aggregate percentage of all the subcontracting work you will be awarding to the Texas certified HUB vendors with which you have a *continuous contract* in place for five (5) years or less *does not meet or exceed* the HUB Goal the contracting agency identified in the "Agency Special Instructions/Additional Requirements", complete:

☐ Section 1 - Respondent and Requisition Information

☐ Section 2 a. - Yes, I will be subcontracting portions of the contract

☐ Section 2 b. - List all the portions of work you will subcontract, and indicated the percentage of the contract you expect to award to Texas certified HUB vendors

and Non-HUB vendors

☐ Section 2 c. - No

☐ Section 2 d. - No

☐ Section 4 - Affirmation

☐ GFE Method B (Attachment B) - Complete an Attachment B for each of the subcontracting opportunities you listed in Section 2 b.

➤ If you will not be subcontracting any portion of the contract and will be fulfilling the entire contract with your own resources, complete:

☐ Section 1 - Respondent and Requisition Information

☐ Section 2 a. - No, I will not be subcontracting any portion of the contract, and I will be fulfilling the entire contract with my own resources

☐ Section 3 - Self Performing Justification

☐ Section 4 - Affirmation

Continuous Contract: Any existing written agreement (including any renewals that are exercised) between a prime contractor and a HUB vendor, where the HUB vendor provides the prime contractor with goods or service under the same contract for a specified period of time. The frequency the HUB vendor is utilized or paid during the term of the contract is not relevant to whether the contract is considered continuous. Two or more contracts that run concurrently or overlap one another for different periods of time are considered by CPA to be individual contracts rather than renewals or extensions to the original contract. In such situations the prime contractor and HUB vendor are entering (have entered) into "new" contracts.

HUB Subcontracting Plan (HSP)

In accordance with Texas Gov't Code §2161.252, the contracting agency has determined that subcontracting opportunities are probable under this contract. Therefore, all respondents, including State of Texas certified Historically Underutilized Businesses (HUBs) must complete and submit this State of Texas HUB Subcontracting Plan (HSP) with their response to the bid requisition (solicitation).

NOTE: Responses that do not include a completed HSP shall be rejected pursuant to Texas Gov't Code §2161.252(b).

The HUB Program promotes equal business opportunities for economically disadvantaged persons to contract with the State of Texas in accordance with the goals specified in the 2009 State of Texas Disparity Study. The statewide HUB goals defined in 34 Texas Administrative Code (TAC) §20.13 are:

- *11.2 percent for heavy construction other than building contracts,*
- *21.1 percent for all building construction, including general contractors and operative builders' contracts,*
- *32.9 percent for all special trade construction contracts,*
- *23.7 percent for professional services contracts,*
- *26.0 percent for all other services contracts, and*
- *21.1 percent for commodities contracts.*

- - Agency Special Instructions/Additional Requirements - -

In accordance with 34 TAC §20.14(d)(1)(D)(iii), a respondent (prime contractor) may demonstrate good faith effort to utilize Texas certified HUBs for its subcontracting opportunities if the total value of the respondent's subcontracts with Texas certified HUBs meets or exceeds the statewide HUB goal or the agency specific HUB goal, whichever is higher. When a respondent uses this method to demonstrate good faith effort, the respondent must identify the HUBs with which it will subcontract. If using existing contracts with Texas certified HUBs to satisfy this requirement, only contracts that have been in place for five years or less shall qualify for meeting the HUB goal. This limitation is designed to encourage vendor rotation as recommended by the 2009 Texas Disparity Study.

SECTION-1: RESPONDENT AND REQUISITION INFORM

80201636 7

a. Respondent (Company) Name: Function 4
   Point of Contact: Bill Patsouras
   E-mail Address: bpatsouras@function-4.com

   State of Texas VID #: 039987237
   Phone #: 281-565-1100
   Fax #: 281-565-1188

b. Is your company a State of Texas certified HUB? ☐ - Yes ☒ - No

c. Requisition #: 170904

   Bid Open Date: 10/27/17
   (mm/dd/yyyy)

1

Enter your company's name here: _function4_ Requisition #: _170904_

SECTION-2: SUBCONTRACTING INTENTIONS RESPONDENT

After dividing the contract work into reasonable lots or portions to the extent consistent with prudent industry practices, and taking into consideration the scope of work to be performed under the proposed contract, including all potential subcontracting opportunities, the respondent must determine what portions of work, including goods and services, will be subcontracted. Note: In accordance with 34 TAC §20.11., an "Subcontractor" means a person who contracts with a prime contractor to work, to supply commodities, or to contribute toward completing work for a governmental entity.

a. Check the appropriate box (Yes or No) that identifies your subcontracting intentions:

☐ - **Yes**, I will be subcontracting portions of the contract. (If **Yes**, complete Item b, of this SECTION and continue to Item c of this SECTION.)

☑ - **No**, I will not be subcontracting any portion of the contract, and I will be fulfilling the entire contract with my own resources. (If **No**, continue to SECTION 3 and SECTION 4.)

b. List all the portions of work (subcontracting opportunities) you will subcontract. Also, based on the total value of the contract, identify the percentages of the contract you expect to award to Texas certified HUBs, and the percentage of the contract you expect to award to vendors that are not a Texas certified HUB (i.e., Non-HUB).

| Item # | Subcontracting Opportunity Description | HUBs | | Non-HUBs |
		Percentage of the contract expected to be subcontracted to HUBs with which you have a continuous contract* in place for five (5) years or less.	Percentage of the contract expected to be subcontracted to HUBs with which you have a continuous contract* in place for more than five (5) years.	Percentage of the contract expected to be subcontracted to non-HUBs.
1		%	%	%
2		%	%	%
3		%	%	%
4		%	%	%
5		%	%	%
6		%	%	%
7		%	%	%
8		%	%	%
9		%	%	%
10		%	%	%
11		%	%	%
12		%	%	%
13		%	%	%
14		%	%	%
15		%	%	%
	Aggregate percentages of the contract expected to be subcontracted:	%	%	%

(Note: If you have more than fifteen subcontracting opportunities, a continuation sheet is available online at http://window.state.tx.us/procurement/prog/hub/hub-subcontracting-plan/).

c. Check the appropriate box (Yes or No) that indicates whether you will be using **only** Texas certified HUBs to perform **all** of the subcontracting opportunities you listed in SECTION 2, Item b.

☐ - **Yes** (If **Yes**, continue to SECTION 4 and complete an "HSP Good Faith Effort - Method A (Attachment A)" for each of the subcontracting opportunities you listed.)

☐ - **No** (If **No**, continue to Item d, of this SECTION.)

d. Check the appropriate box (Yes or No) that indicates whether the aggregate expected percentage of the contract you will subcontract **with Texas certified** HUBs with which you have a **continuous contract*** in place with for five (5) years or less **meets or exceeds** the HUB goal the contracting agency identified on page 1 in the "**Agency Special Instructions/Additional Requirements**".

☐ - **Yes** (If **Yes**, continue to SECTION 4 **and** complete an "HSP Good Faith Effort - Method A (Attachment A)" for **each** of the subcontracting opportunities you listed.)

☐ - **No** (If **No**, continue to SECTION 4 **and** complete an "HSP Good Faith Effort - Method B (Attachment B)" for **each** of the subcontracting opportunities you listed.)

*Continuous Contract: Any existing written agreement (including any renewals that are exercised) between a prime contractor and a HUB vendor, where the HUB vendor provides the prime contractor with goods or service under the same contract for a specified period of time. The frequency the HUB vendor is utilized or paid during the term of the contract is not relevant to whether the contract is considered continuous. Two or more contracts that run concurrently or overlap one another for different periods of time are considered by CPA to be individual contracts rather than renewals or extensions to the original contract. In such situations the prime contractor and HUB vendor are entering (have entered) into "new" contracts.

Enter your company's name here: _function4_   Requisition #: _170904_

SECTION-2: SUBCONTRACTING INTENTIONS RESPONDENT (CONTINUATION SHEET)

a. This page can be used as a continuation sheet to the HSP Form's page 2, Section 2, Item b. Continue listing the portions of work (subcontracting opportunities) you will subcontract. Also, based on the total value of the contract, identify the percentages of the contract you expect to award to Texas certified HUBs, and the percentage of the contract you expect to award to vendors that are not a Texas certified HUB (i.e., Non-HUB).

Item #	Subcontracting Opportunity Description	HUBs		Non-HUBs
		Percentage of the contract expected to be subcontracted to HUBs with which you have a continuous contract* in place for five (5) years or less.	Percentage of the contract expected to be subcontracted to HUBs with which you have a continuous contract* in place for more than five (5) years.	Percentage of the contract expected to be subcontracted to non-HUBs.
16		%	%	%
17		%	%	%
18		%	%	%
19		%	%	%
20		%	%	%
21		%	%	%
22		%	%	%
23		%	%	%
24		%	%	%
25		%	%	%
26		%	%	%
27		%	%	%
28		%	%	%
29		%	%	%
30		%	%	%
31		%	%	%
32		%	%	%
33		%	%	%
34		%	%	%
35		%	%	%
36		%	%	%
37		%	%	%
38		%	%	%
39		%	%	%
40		%	%	%
41		%	%	%
42		%	%	%
43		%	%	%
Aggregate percentages of the contract expected to be subcontracted:		%	%	%

*Continuous Contract: Any existing written agreement (including any renewals that are exercised) between a prime contractor and a HUB vendor, where the HUB vendor provides the prime contractor with goods or service under the same contract for a specified period of time. The frequency the HUB vendor is utilized or paid during the term of the contract is not relevant to whether the contract is considered continuous. Two or more contracts that run concurrently or overlap one another for different periods of time are considered by CPA to be individual contracts rather than renewals or extensions to the original contract. In such situations the prime contractor and HUB vendor are entering (have entered) into "new" contracts.

Enter your company's name here: _function4_   Requisition #: _170904_

SECTION-3: SELF PERFORMING JUSTIFICATION (If you responded "No" to SECTION 2, Item a, you must complete this SECTION and continue to SECTION 4)

Check the appropriate box (Yes or No) that indicates whether your response/proposal contains an explanation demonstrating how your company will fulfill the entire contract with its own resources.
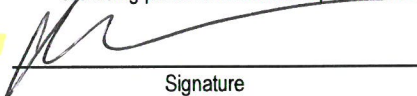
☐ - **Yes** (If *Yes*, in the space provided below **list the specific page(s)/section(s)** of your proposal which explains how your company will perform the entire contract with its own equipment, supplies, materials and/or employees.)

☑ - **No** (If *No*, in the space provided below **explain how** your company will perform the entire contract with its own equipment, supplies, materials and/or employees.)

> function4 maintains 5 locations across Texas with active inventory management systems. Our team of full-time technicians are available to support a significant region of the country with on site service and support.

SECTION-4: AFFIRMATION

As evidenced by my signature below, I affirm that I am an authorized representative of the respondent listed in SECTION 1, and that the information and supporting documentation submitted with the HSP is true and correct. Respondent understands and agrees that, if awarded any portion of the requisition:

- The respondent will provide notice as soon as practical to all the subcontractors (HUBs and Non-HUBs) of their selection as a subcontractor for the awarded contract. The notice must specify at a minimum the contracting agency's name and its point of contact for the contract, the contract award number, the subcontracting opportunity they (the subcontractor) will perform, the approximate dollar value of the subcontracting opportunity and the expected percentage of the total contract that the subcontracting opportunity represents. A copy of the notice required by this section must also be provided to the contracting agency's point of contact for the contract no later than ten (10) working days after the contract is awarded.

- The respondent must submit monthly compliance reports (Prime Contractor Progress Assessment Report – PAR) to the contracting agency, verifying its compliance with the HSP, including the use of and expenditures made to its subcontractors (HUBs and Non-HUBs). (The PAR is available at http://www.window.state.tx.us/procurement/prog/hub/hub-forms/progressassessmentrpt.xls).

- The respondent must seek approval from the contracting agency prior to making any modifications to its HSP, including the hiring of additional or different subcontractors and the termination of a subcontractor the respondent identified in its HSP. If the HSP is modified without the contracting agency's prior approval, respondent may be subject to any and all enforcement remedies available under the contract or otherwise available by law, up to and including debarment from all state contracting.

- The respondent must, upon request, allow the contracting agency to perform on-site reviews of the company's headquarters and/or work-site where services are being performed and must provide documentation regarding staffing and other resources.

[signature]	_Bill Patterns_	_Partner_	_10/26/17_
Signature	Printed Name	Title	Date
			(mm/dd/yyyy)

Reminder:

➤ If you responded "Yes" to SECTION 2, Items c or d, you must complete an "HSP Good Faith Effort - Method A (Attachment A)" **for each** of the subcontracting opportunities you listed in SECTION 2, Item b.

➤ If you responded "No" SECTION 2, Items c and d, you must complete an "HSP Good Faith Effort - Method B (Attachment B)" **for each** of the subcontracting opportunities you listed in SECTION 2, Item b.

HSP Good Faith Effort - Method A (Attachment A)

Enter your company's name here:	function4	Requisition #:	170904

IMPORTANT: If you responded "*Yes*" to **SECTION 2, Items c or d** of the completed HSP form, you must submit a completed "HSP Good Faith Effort - Method A (Attachment A)" for **each** of the subcontracting opportunities you listed in **SECTION 2, Item b** of the completed HSP form. You may photo-copy this page or download the form at http://window.state.tx.us/procurement/prog/hub/hub-forms/hub-sbcont-plan-gfe-achm-a.pdf.

SECTION A-1: SUBCONTRACTING OPPORTUNITY

Enter the item number and description of the subcontracting opportunity you listed in SECTION 2, Item b, of the completed HSP form for which you are completing the attachment.

Item Number: _____   Description: _____

SECTION A-2: SUBCONTRACTOR SELECTION

List the subcontractor(s) you selected to perform the subcontracting opportunity you listed above in SECTION A-1. Also identify whether they are a Texas certified HUB and their VID number, the approximate dollar value of the work to be subcontracted, the expected percentage of work to be subcontracted, and indicate whether the company is a Texas certified HUB

Company Name	Texas certified HUB		VID Number (Required if Texas certified HUB)	Approximate Dollar Amount	Expected Percentage of Contract
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%

REMINDER: As specified in SECTION 4 of the completed HSP form, if you (respondent) are awarded any portion of the requisition, you are required to provide notice as soon as practical to **all** the subcontractors (HUBs and Non-HUBs) of their selection as a subcontractor. The notice must specify at a minimum the contracting agency's name and its point of contact for the contract, the contract award number, the subcontracting opportunity they (the subcontractor) will perform, the approximate dollar value of the subcontracting opportunity and the expected percentage of the total contract that the subcontracting opportunity represents. A copy of the notice required by this section must also be provided to the contracting agency's point of contact for the contract no later than ten (10) working days after the contract is awarded.

HSP Good Faith Effort - Method B (Attachment B)

Enter your company's name here: _function4_   Requisition #: _170904_

IMPORTANT: If you responded "*Yes*" to SECTION 2, Items c or d of the completed HSP form, you must submit a completed "HSP Good Faith Effort - Method B (Attachment B)" for **each** of the subcontracting opportunities you listed in SECTION 2, Item b of the completed HSP form. You may photo-copy this page or download the form at http://window.state.tx.us/procurement/prog/hub/hub-forms/hub-sbcont-plan-gfe-achm-b.pdf.

SECTION B-1: SUBCONTRACTING OPPORTUNITY

Enter the item number and description of the subcontracting opportunity you listed in SECTION 2, Item b, of the completed HSP form for which you are completing the attachment.

Item Number: _____   Description: _____

SECTION B-2: MENTOR PROTÉGÉ PROGRAM

If respondent is participating as a Mentor in a State of Texas Mentor Protégé Program, submitting its Protégé (Protégé must be a State of Texas certified HUB) as a subcontractor to perform the subcontracting opportunity listed in SECTION B-1, constitutes a good faith effort to subcontract with a Texas certified HUB towards that specific portion of work.

Check the appropriate box (Yes or No) that indicates whether you will be subcontracting the portion of work you listed in SECTION B-1 to your Protégé.

☐ - **Yes** (If *Yes*, to continue to SECTION B-4.)

☐ - **No / Not Applicable** (If *No* or *Not Applicable*, continue to SECTION B-3 and SECTION B-4.)

SECTION B-3: NOTIFICATION OF SUBCONTRACTING OPPORTUNITY

When completing this section you **MUST** comply with items **a, b, c and d**, thereby demonstrating your Good Faith Effort of having notified Texas certified HUBs <u>and</u> trade organizations or development centers about the subcontracting opportunity you listed in SECTION B-1. Your notice should include the scope of work, information regarding the location to review plans and specifications, bonding and insurance requirements, required qualifications, and identify a contact person. When sending notice of your subcontracting opportunity, you are encouraged to use the attached HUB Subcontracting Opportunity Notice form, which is also available online at http://www.window.state.tx.us/procurement/prog/hub/hub-subcontracting-plan.

Retain supporting documentation (i.e., certified letter, fax, e-mail) demonstrating evidence of your good faith effort to notify the Texas certified HUBs <u>and</u> trade organizations or development centers. Also, be mindful that a working day is considered a normal business day of a state agency, not including weekends, federal or state holidays, or days the agency is declared closed by its executive officer. The initial day the subcontracting opportunity notice is sent/provided to the HUBs <u>and</u> to the trade organizations or development centers is considered to be "day zero" and does not count as one of the seven (7) working days.

a. Provide written notification of the subcontracting opportunity you listed in SECTION B-1, to three (3) or more Texas certified HUBs. Unless the contracting agency specified a different time period, you must allow the HUBs <u>at least seven (7) working days</u> to respond to the notice prior to your submitting your bid response to the contracting agency. When searching for Texas certified HUBs, ensure that you use the State of Texas' Centralized Master Bidders List (CMBL) and Historically Underutilized Business (HUB) Search directory located at http://mycpa.state.tx.us/tpasscmblsearch/index.jsp. HUB Status code "**A**" signifies that the company is a Texas certified HUB.

b. List the <u>three (3)</u> Texas certified HUBs you notified regarding the subcontracting opportunity you listed in SECTION B-1. Include the company's Vendor ID (VID) number, the date you sent notice to that company, and indicate whether it was responsive or non-responsive to your subcontracting opportunity notice.

Company Name	VID Number	Date Notice Sent (mm/dd/yyyy)	Did the HUB Respond?	
			☐ - Yes	☐ - No
			☐ - Yes	☐ - No
			☐ - Yes	☐ - No

c. Provide written notification of the subcontracting opportunity you listed in SECTION B-1 to <u>two (2)</u> or more trade organizations or development centers <u>in Texas</u> to assist in identifying potential HUBs by disseminating the subcontracting opportunity to their members/participants. Unless the contracting agency specified a different time period, you must provide your subcontracting opportunity notice to trade organizations or development centers <u>at least seven</u> (7) <u>working days</u> prior to submitting your bid response to the contracting agency. A list of trade organizations and development centers that have expressed an interest in receiving notices of subcontracting opportunities is available on the Statewide HUB Program's webpage at http://www.window.state.tx.us/procurement/prog/hub/mwb-links-1/.

d. List <u>two (2)</u> trade organizations or development centers you notified regarding the subcontracting opportunity you listed in SECTION B-1. Include the date when you sent notice to it and indicate if it accepted or rejected your notice.

Trade Organizations or Development Centers	Date Notice Sent (mm/dd/yyyy)	Was the Notice Accepted?	
		☐ - Yes	☐ - No
		☐ - Yes	☐ - No

HUB Subcontracting Opportunity Notification Form

In accordance with Texas Gov't Code, Chapter 2161, each state agency that considers entering into a contract with an expected value of $100,000 or more shall, before the agency solicits bids, proposals, offers, or other applicable expressions of interest, determine whether subcontracting opportunities are probable under the contract. The state agency I have identified below in **Section B** has determined that subcontracting opportunities are probable under the requisition to which my company will be responding.

34 Texas Administrative Code, §20.14 requires all respondents (prime contractors) bidding on the contract to provide notice of each of their subcontracting opportunities to at least three (3) Texas certified HUBs (who work within the respective industry applicable to the subcontracting opportunity), and allow the HUBs at least seven (7) working days to respond to the notice prior to the respondent submitting its bid response to the contracting agency. In addition, at least seven (7) working days prior to submitting its bid response to the contracting agency, the respondent must provide notice of each of its subcontracting opportunities to two (2) or more trade organizations or development centers (in Texas) that serves members of groups (i.e., Asian Pacific American, Black American, Hispanic American, Native American, Woman, Service Disabled Veteran) identified in Texas Administrative Code, §20.11(19)(C).

We respectfully request that vendors interested in bidding on the subcontracting opportunity scope of work identified in **Section C, Item 2**, reply no later than the date and time identified in **Section C, Item 1**. Submit your response to the point-of-contact referenced in **Section A**.

SECTION: A   PRIME CONTRACTOR'S INFORMATION

Company Name: _____   State of Texas VID #: _____

Point-of-Contact: _____   Phone #: _____

E-mail Address: _____   Fax #: _____

SECTION: B   CONTRACTING STATE AGENCY AND REQUISITION INFORMATION

Agency Name: _____

Point-of-Contact: _____   Phone #: _____

Requisition #: _____   Bid Open Date: _____
                                                                (mm/dd/yyyy)

SECTION: C   SUBCONTRACTING OPPORTUNITY RESPONSE DUE DATE, DESCRIPTION, REQUIREMENTS AND RELATED INFORMATION

1. **Potential Subcontractor's Bid Response Due Date:**

   If you would like for our company to consider your company's bid for the subcontracting opportunity identified below in Item 2,

   we must receive your bid response no later than   Select _____   on _____ .

   Central Time   Date (mm/dd/yyyy)

   In accordance with 34 TAC §20.14, each notice of subcontracting opportunity shall be provided to at least three (3) Texas certified HUBs, and allow the HUBs at least seven (7) working days to respond to the notice prior to submitting our bid response to the contracting agency. In addition, at least seven (7) working days prior to us submitting our bid response to the contracting agency, we must provide notice of each of our subcontracting opportunities to two (2) or more trade organizations or development centers (in Texas) that serves members of groups (i.e., Asian Pacific American, Black American, Hispanic American, Native American, Woman, Service Disabled Veteran) identified in Texas Administrative Code, §20.11(19)(C).

   (A working day is considered a normal business day of a state agency, not including weekends, federal or state holidays, or days the agency is declared closed by its executive officer. The initial day the subcontracting opportunity notice is sent/provided to the HUBs and to the trade organizations or development centers is considered to be "day zero" and does not count as one of the seven (7) working days.)

2. **Subcontracting Opportunity Scope of Work:**

3. **Required Qualifications:**   ☐ - Not Applicable

4. **Bonding/Insurance Requirements:**   ☐ - Not Applicable

5. **Location to review plans/specifications:**   ☐ - Not Applicable

HSP Good Faith Effort - Method B (Attachment B) Cont.

Enter your company's name here: __function4__   Requisition #: __170904__

SECTION B-4: SUBCONTRACTOR SELECTION

Enter the item number and description of the subcontracting opportunity you listed in SECTION 2, Item b, of the completed HSP form for which you are completing the attachment.

a. Enter the item number and description of the subcontracting opportunity for which you are completing this Attachment B continuation page.

Item Number: _____   Description: _____

b. List the subcontractor(s) you selected to perform the subcontracting opportunity you listed in **SECTION B-1**. Also identify whether they are a Texas certified HUB and their VID number, the approximate dollar value of the work to be subcontracted, the expected percentage of work to be subcontracted, and indicate whether the company is a Texas certified HUB.

Company Name	Texas certified HUB		VID Number (Required if Texas certified HUB)	Approximate Dollar Amount	Expected Percentage of Contract
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%
	☐ - Yes	☐ - No		$	%

c. If any of the subcontractors you have selected to perform the subcontracting opportunity you listed in SECTION B-1 is **not** a Texas certified HUB, provide written justification for your selection process (attach additional page if necessary):

REMINDER: As specified in SECTION 4 of the completed HSP form, if you (respondent) are awarded any portion of the requisition, you are required to provide notice as soon as practical to **all** the subcontractors (HUBs and Non-HUBs) of their selection as a subcontractor. The notice must specify at a minimum the contracting agency's name and its point of contact for the contract, the contract award number, the subcontracting opportunity it (the subcontractor) will perform, the approximate dollar value of the subcontracting opportunity and the expected percentage of the total contract that the subcontracting opportunity represents. A copy of the notice required by this section must also be provided to the contracting agency's point of contact for the contract no later than ten (10) working days after the contract is awarded.

Print Certificate

Certificate Of Partnership

Effective from: September 20, 2017

FUNCTION4 LLC

UNITED STATES

Is an **HP Partner First** member and has the following designations:

Silver

Partner First Silver Imaging and Printing Partner

Specializations

Partner First Managed Print Specialist Premier   Partner First Technical Production Specialist

David Lary

David Lary

Vice President
Partner Development & Programs
Americas Commercial Channel
HP Inc.

Despite Battling a Price-Driven Market, Function 4 Uses Service Excellence to Earn Star of Texas

If you think about it, quality service is to this generation of business what the Chevy Camaro was to 20-somethings from the 1980s: everyone claimed that they had it or were in the process of getting it. But the truth be known, few can deliver on such a bold promise.

Bob Evans may not be driving an IROC-Z, but the president and CEO of Function 4–a dealership serving eastern Texas and parts of Oklahoma and Louisiana–knows that the technical service component is the bread-and-butter offering of any reputable firm. After all, the service department interacts with the customer base more than any other facet of his operation. It is the primary point of differentiation for the Texas-based dealership.

Shown on the left is Roland Koennecke, Houston service manager, and Bob Evans, owner of Function 4.

The Houston market in particular has prompted **Function 4** to evolve and adapt. Houston's energy-based economy has been hit hard in the past 18 months. Many companies have either gone out of business or tightened their belts with reduced staff and spending cuts. And Function 4 is not the only game in town when it comes to office technology offerings.

"All the manufacturers are here and have direct offices, plus we have multiple dealers here," Evans said of the competition. "Pricing pressure is really driving us down to the point where we had to get into additional businesses to be able to maintain margin and get closer to our customers. We had to add more value than just providing print-or-copy-based product or being a lower cost provider."

Function 4's ability to provide a full and effective service response the first time around, as opposed to just a promise that delivers little more than smoking tires, has enabled the company to earn this month's BEI/ENX Service Excellence Platinum Award.

The company was created by the 2014 merger of Digitec Office Solutions (the Houston suburban branch) and Star Graphics of Beaumont, Texas. In October of that year, Office Equipment Center of Paris, TX, joined the fold. Since then the organization has added additional offices in Sherman, Texas, and Lake Charles, Louisiana. **Function 4** has 87 employees across its network, with the three entities boasting 97 combined years of experience. Its geographic footprint services 31 counties in eastern Texas, five counties in southeast Oklahoma, and five parishes in southwest Louisiana.

With $19 million in annual revenue, **Function 4** offers printer and copier products from Kyocera, Konica Minolta, HP, and Sharp. It provides managed print services, software solutions, and consulting. Beginning this year, Function 4 unveiled a managed IT solution via Konica Minolta's All Covered and the Continuum platforms. Software solution sales account for 5 percent of total revenue, while MPS is 10 percent of total revenue.

Function 4 has enjoyed double-digit growth for its MPS and software solutions in the last year, with the Paris operation reaping double-digit growth in that location alone. Evans has added dedicated sales people to augment the software solutions, which has made a significant impact. The company has also embarked on a targeted marketing campaign to help identify vertical markets in which **Function 4** can thrive. The new campaign involves marketing their MPS and software to selected targets within customer organizations, enabling the dealer to go deeper within existing accounts and yielding particularly successful forays within the health care sector and independent school districts.

"I tell our folks all the time, we're truly a customer focused company," Evans noted. "It's what we do, regardless of the product or solution we're providing to the customer. The product and service is only as good as the service team implementing it. We focus our efforts on providing the best service, whether it's break/fix on the MFP side, implementation at the

beginning of the product or solution, getting the toner there on time, or billing correctly. We want the customer to be totally satisfied with all of the service that we provide."

Being customer focused has wide-ranging benefits, he added: "Because our techs do such a good job of providing quality service, our customers trust us and we have a very good rapport with them. It's allowed us to go in and bring new products and services to our current base because they have been so happy with our service in our traditional MFP business. I think we'll be able to continue to grow revenue within those customers."

Experience is a factor in Function 4's success—of the 87 employees, Evans estimated roughly 30 percent have 10 or more years of experience with the company. The techs are empowered to make key decisions, while offering honest communication to both the customers and the dealership's executives. While Evans' goal is to provide prompt and effective service, getting the service call right the first time is the overarching objective. Responding to a request for service within the hour is of little use to the customer if the machine isn't repaired properly.

The BEI program has validated **Function 4's** efforts. Evans implemented the program five years ago while with Digitec Office Solutions, then applied it to the Beaumont and Paris facilities following the merger. The branches have improved their first call effectiveness (FCE) each year on the program, with Beaumont and Paris increasing from the low-20s to the mid-50s. Sugar Land is in the mid-60s/high-70s range. In the process, **Function 4** has increased efficiency by fixing the equipment the first time, having proper parts on hand, and reducing the number of callbacks. Service profit in Beaumont has jumped 12 percent in two-plus years to 49 percent, with the other facilities touching the mid-50s range.

"We've done a better job servicing our customers, but it's also had an impact on aligning us to be more profitable," Evans said, noting the company's goal is to reach an FCE in the mid-60s by year's end.

Customer feedback has been extremely positive. **Function 4's** Net Promoter Score increased from 84.3 percent in 2014 to 94.2 percent in March of this year. The company sends out a survey following each service call that includes the Net Promoter Score

question. When **Function 4** isn't graded at a 10 on performance satisfaction, an executive follows up with a phone call to determine how the dealership can improve on future visits.

Evans reiterated that it is the quest to perform a total service call correctly the first time that drives **Function 4**, rather than focusing on response time as a main service deliverable. And while their response time is strong, it is the level of service that stands as the point of differentiation.

OTSEA Platinum award winners score in the top fifteen percent of all dealers evaluated. The evaluations are based on Call Back percentage, Hold for Parts percentage, MCBV (Mean Copies Between Visits) and Technician Grading. Tech Grading encompasses Time accountability and Time management along with individual HP, CB and MCBV rates. It also includes parts expense as it relates to parts CPC compared to world stats.

"We enable and empower our service techs to achieve that goal," he said. "They know we're not going to pull [techs] off a job or call them and say 'why are you on that call for so long?' Customers see that, too. They know we're going to do our best to repair that machine correctly the first time so we don't have to come back again."

Function 4's immediate goals include building its managed IT offering in order to become a full-service provider. In developing the new competencies, the dealer is changing its approach to sales. A different kind of conversation with customers will be required, with new skill sets and additional sales staff to facilitate holistic business conversations, as opposed to traditional copier/printer-box dialogues. Evans converted a sales person with high-level technical sales acumen to be the firm's IT source-matter expert.

"We're a little behind on [IT]," Evans remarked. "We had to figure out whether to build it internally, find a partner, or go out and purchase a company. We opted for the partner route to learn the business and get more familiar with how to sell, implement, and provide those services. Being a Konica Minolta provider, we went with All Covered. We're using them in the first couple of accounts to learn how to be a managed network service provider. Our ultimate goal is to purchase a company."

Moving forward, **Function 4** is also focusing on augmenting its Lake Charles' sales operation to expand the company's presence in Louisiana while building the sales force there and in Sherman, TX. With the evolving business landscape and the continuing pricing pressure, particularly in the Houston market, **Function 4** is banking on its additional products and services to maintain an edge on the competition. Raising the bar on technical service is obviously an organizational forte, as the comment cards from customers will attest.

function4

Table of Contents

Black and White Laser Printers

HP LaserJet Managed E60055dn

This HP LaserJet Printer with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network from attacks with the industry's deepest security.[1]
M0P33A

HP LaserJet Managed E60065dn

This HP LaserJet Printer with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network from attacks with the industry's deepest security.[1]
M0P35A

HP LaserJet Managed E60065x

This HP LaserJet Printer with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network from attacks with the industry's deepest security.[1]
M0P36A

HP LaserJet Managed E60075dn

This HP LaserJet Printer with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network from attacks with the industry's deepest security.[2]
M0P39A

HP LaserJet Managed E60075x

This HP LaserJet Printer with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network from attacks with the industry's deepest security.[2]
M0P40A

HP LaserJet Managed M506dnm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
F2A66A

Product image may differ from actual product.

Black and White Laser Printers

HP LaserJet Managed M506xm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
F2A67A

HP LaserJet Managed M605dnm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
L3U53A

HP LaserJet Managed M605xm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
L3U54A

Product image may differ from actual product.

1. Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit hp.com/go/PrintersThatProtect. For more information: http://www.hp.com/go/printersecurityclaims

2. Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit http://www.hp.com/go/PrintersThatProtect. For more information: http://www.hp.com/go/printersecurityclaims

Black and White Laser Printers Comparison

Specifications	HP LaserJet Managed E60055dn	HP LaserJet Managed E60065dn	HP LaserJet Managed E60065x
Functions	Print	Print	Print
Print speed black (ISO, A4)	Up to 52 ppm	Up to 61 ppm	Up to 61 ppm
Print speed black (ISO, letter)	Up to 55 ppm	Up to 65 ppm	Up to 65 ppm
Print speed footnote			
First page out black (A4, ready)	As fast as 5.4 sec	As fast as 5.4 sec	As fast as 5.4 sec
First page out black (letter, ready)	As fast as 5.3 sec	As fast as 5.3 sec	As fast as 5.3 sec
Duty cycle (monthly, A4)	Up to 375,000 pages	Up to 420,000 pages	Up to 420,000 pages
Duty cycle (monthly, letter)	Up to 375,000 pages	Up to 420,000 pages	Up to 420,000 pages
Recommended monthly page volume	5000 to 30,000	5000 to 40,000	5000 to 40,000
Control panel	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable angle) display with 24-key pad	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable angle) display with 24-key pad	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button
Display	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable angle)	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable angle)	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)
HP ePrint capability			
Connectivity, standard	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; Hardware Integration Pocket	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; Hardware Integration Pocket	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; Hardware Integration Pocket
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Input capacity	Up to 650 sheets	Up to 650 sheets	Up to 1200 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)

Black and White Laser Printers Comparison

Specifications	HP LaserJet Managed E60075dn	HP LaserJet Managed E60075x	HP LaserJet Managed M506dnm
Functions	Print	Print	Print
Print speed black (ISO, A4)	Up to 71 ppm	Up to 71 ppm	Up to 43 ppm
Print speed black (ISO, letter)	Up to 75 ppm	Up to 75 ppm	Up to 45 ppm
Print speed footnote			
First page out black (A4, ready)	As fast as 5.4 sec	As fast as 5.4 sec	As fast as 6.0 sec; As fast as 8.7 sec
First page out black (letter, ready)	As fast as 5.3 sec	As fast as 5.3 sec	As fast as 5.9 sec; As fast as 11.3 sec (100 V)
Duty cycle (monthly, A4)	Up to 450,000 pages	Up to 450,000 pages	Up to 150,000 pages
Duty cycle (monthly, letter)	Up to 450,000 pages	Up to 450,000 pages	Up to 150,000 pages
Recommended monthly page volume	5000 to 50,000	5000 to 50,000	4000 to 15,000
Control panel	Rotating 2.7-in QVGA LCD (color graphics) with 24 key pad.	Rotating 4.3-in touch screen, LCD (color graphics)	4-line color LCD; 19 buttons (Cancel job, Up and Down arrow, Select, Back, Home, 12-key and Help); 3 LED indicator lights (Attention, Ready, Busy)
Display	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable angle)	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)	4-line LCD (color graphics)
HP ePrint capability			Yes
Connectivity, standard	1 Hi-Speed USB 2.0 Device; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet 10/100/1000T network	1 Hi-Speed USB 2.0 Device; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet 10/100/1000T network	Hi-Speed USB 2.0 port; built-in Fast Ethernet 10Base-T/100Base-Tx, Gigabit Ethernet 1000Base-T
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Windows OS compatible with In-Box Driver: Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Windows OS compatible with Universal Print Driver (From HP.com): Windows XP SP3 32- & 64-bit editions (XP Home, XP Pro, etc), Windows Vista all 32- & 64-bit editions (Home Basic, Premium, Professional, etc), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from http://www.hp.com and Apple Store): OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, OS X 10.10 Yosemite; Mobile OS (In-OS drivers): iOS, Android, Windows 8/8.1/10 RT; Linux OS (In-OS HPLIP): SUSE Linux (12.2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), Debian (6.0.x, 7.x); Other OS: UNIX
Input capacity	Up to 650 sheets	Up to 1200 sheets	Up to 650 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)

Black and White Laser Printers Comparison

Specifications	HP LaserJet Managed M506xm	HP LaserJet Managed M605dnm	HP LaserJet Managed M605xm
Functions	Print	Print	Print
Print speed black (ISO, A4)	Up to 43 ppm	Up to 55 ppm	Up to 55 ppm
Print speed black (ISO, letter)	Up to 45 ppm	Up to 58 ppm	Up to 58 ppm
Print speed footnote		Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.	Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
First page out black (A4, ready)	As fast as 6.0 sec; As fast as 8.7 sec	As fast as 7 sec	As fast as 7 sec
First page out black (letter, ready)	As fast as 5.9 sec; As fast as 11.3 sec (100 V)	As fast as 7 sec	As fast as 7 sec
Duty cycle (monthly, A4)	Up to 150,000 pages	Up to 420,000 pages	Up to 420,000 pages
Duty cycle (monthly, letter)	Up to 150,000 pages	Up to 420,000 pages	Up to 420,000 pages
Recommended monthly page volume	4000 to 15,000	5000 to 40,000	5000 to 40,000
Control panel	4.3-in touchscreen with color graphics	4-line color LCD display, 3 LED lights (Ready, Data, Attention), buttons (Information, Stop/Cancel, Return, Home, Folder, Clear), 10-key numeric keypad	4.3-in touch screen, LCD (color graphics); 1 Home button
Display	4.3-in color touchscreen	4-line LCD (color text and graphics)	4.3-in (10.9-cm) touchscreen LCD (color graphics)
HP ePrint capability	Yes	Yes	Yes
Connectivity, standard	Hi-Speed USB 2.0 port; built-in Fast Ethernet 10Base-T/100Base-Tx, Gigabit Ethernet 1000Base-T	Hi-Speed USB 2.0 ports (Host and Device); built-in Gigabit Ethernet 10/100/1000T network port; Hardware Integration Pocket (HIP)	Hi-Speed USB 2.0 ports (Host and Device); built-in Gigabit Ethernet 10/100/1000T network port; Hardware Integration Pocket (HIP)
Compatible Operating Systems	Windows OS compatible with In-Box Driver: Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Windows OS compatible with Universal Print Driver (From HP.com): Windows XP SP3 32- & 64-bit editions (XP Home, XP Pro, etc), Windows Vista all 32- & 64-bit editions (Home Basic, Premium, Professional, etc), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from http://www.hp.com and Apple Store): OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, OS X 10.10 Yosemite; Mobile OS (In-OS drivers): iOS, Android, Windows 8/8.1/10 RT; Linux OS (In-OS HPLIP): SUSE Linux (12.2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), Debian (6.0.x, 7.x); Other OS: UNIX	Windows OS compatible with In-Box Driver: Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc.), Windows Vista all (32-bit) editions (Home Basic, Premium, Professional, etc.), Windows 7 all (32-bit, 64-bit) editions; Windows 8/8.1 all (32-bit, 64-bit) editions (excluding RT OS for Tablets), Windows 10 all (32-bit, 64-bit) editions (excluding RT OS for Tablets); Windows OS compatible with Universal Print Driver (From HP.com): Windows XP (SP3) (32-bit, 64-bit) editions (XP Home, XP Pro, etc.), Windows Vista all (32-bit, 64-bit) editions (Home Basic, Premium, Professional, etc.), Windows 7 all (32-bit, 64-bit) editions, Windows 8/8.1 all (32-bit, 64-bit) editions (excluding RT OS for Tablets), Windows 10 all (32-bit, 64-bit) editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from HP.com and Apple Store): OS X 10.7 Lion, OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, OS X 10.10 Yosemite; Mobile OS (In-OS drivers): iOS, Android, Windows 8/8.1/10 RT; Linux OS (In-OS HPLIP): SUSE Linux (12.2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), Debian (6.0.x, 7.x); Other OS: UNIX	Windows OS compatible with In-Box Driver: Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc.), Windows Vista all (32-bit) editions (Home Basic, Premium, Professional, etc.), Windows 7 all (32-bit, 64-bit) editions; Windows 8/8.1 all (32-bit, 64-bit) editions (excluding RT OS for Tablets), Windows 10 all (32-bit, 64-bit) editions (excluding RT OS for Tablets); Windows OS compatible with Universal Print Driver (From HP.com): Windows XP (SP3) (32-bit, 64-bit) editions (XP Home, XP Pro, etc.), Windows Vista all (32-bit, 64-bit) editions (Home Basic, Premium, Professional, etc.), Windows 7 all (32-bit, 64-bit) editions, Windows 8/8.1 all (32-bit, 64-bit) editions (excluding RT OS for Tablets), Windows 10 all (32-bit, 64-bit) editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from HP.com and Apple Store): OS X 10.7 Lion, OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, OS X 10.10 Yosemite; Mobile OS (In-OS drivers): iOS, Android, Windows 8/8.1/10 RT; Linux OS (In-OS HPLIP): SUSE Linux (12.2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), Debian (6.0.x, 7.x); Other OS: UNIX
Input capacity	Up to 1200 sheets	Up to 600 sheets	Up to 1100
Duplex printing	Automatic (standard)	Yes	Yes

Color Laser Printers

HP Color LaserJet Managed E65050dn

HP Managed MFPs are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this product can help reduce printing and copying costs. See your HP Authorized Reseller for details.
L3U55A

HP Color LaserJet Managed E65060dn

HP Managed MFPs are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this product can help reduce printing and copying costs. See your HP Authorized Reseller for details.
L3U56A

HP Color LaserJet Managed M553dnm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
B5L38A

HP Color LaserJet Managed M553xm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
B5L39A

HP Color LaserJet Managed M651dnm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
H0DC9A

HP Color LaserJet Managed M651xhm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
L8Z07A

Product image may differ from actual product.

Color Laser Printers Comparison

Specifications	HP Color LaserJet Managed E65050dn	HP Color LaserJet Managed E65060dn	HP Color LaserJet Managed M553dnm
Functions	Print	Print	Print
Print speed black (ISO, A4)	Up to 47 ppm	Up to 56 ppm	Up to 38 ppm
Print speed black (ISO, letter)	Up to 50 ppm	Up to 60 ppm	Up to 40 ppm
Print speed footnote			Measured using ISO/IEC 24734, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
Print speed color (ISO)	Up to 50 ppm	Up to 60 ppm	Up to 40 ppm
Print Speed Color (ISO)	Up to 47 ppm	Up to 56 ppm	Up to 38 ppm
First page out black (A4, ready)	As fast as 6.5 sec	As fast as 5.8 sec	As fast as 6 sec
First page out black (letter, ready)	As fast as 6.4 sec	As fast as 5.7 sec	As fast as 6 sec
First page out color (A4, ready)	As fast as 6.5 sec	As fast as 5.8 sec	As fast as 7 sec
First page out color (letter, ready)	As fast as 6.4 sec	As fast as 5.7 sec	As fast as 7 sec
Duty cycle (monthly, A4)	Up to 150,000 pages	Up to 180,000 pages	Up to 120,000 pages
Duty cycle (monthly, letter)	Up to 150,000 pages	Up to 180,000 pages	Up to 120,000 pages
Recommended monthly page volume	3000 to 24,000	4,000 to 30,000	2000 to 15,000 pages
Control panel	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable angle) display with 24-key pad	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button	4-line color LCD; 19 buttons (Cancel job, Up and Down arrow, Select, Back, Home, 12-key and Help); 3 LED indicator lights (Attention, Ready, Busy)
Display	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable angle)	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)	4-line LCD (color graphics) with 10-key pad
HP ePrint capability			Yes
Connectivity, standard	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; Hardware Integration Pocket	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; Hardware Integration Pocket	Hi-Speed USB 2.0 port; built-in Fast Ethernet 10/100/1000Base-TX network port
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Windows OS compatible with In-Box Driver: Windows XP (SP3) all 32-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32-bit and 64-bit editions, Windows 8/8.1 all 32-bit and 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32-bit and 64-bit editions (excluding RT OS for Tablets); Windows OS compatible with Universal Print Driver (From HP.com): Windows XP SP3 32-bit and 64-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32-bit and 64-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32-bit and 64-bit editions, Windows 8/8.1 all 32-bit and 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32-bit and 64-bit editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from HP.com and Apple Store): OS X 10.7 Lion, OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, OS X 10.10 Yosemite; Mobile OS (In-OS drivers): iOS, Android, Windows 8/8.1/10 RT; Linux OS (In-OS HPLIP): SUSE Linux (12.2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), Debian (6.0.x, 7.x), Other OS: UNIX
Input capacity	Up to 650 sheets	Up to 650 sheets	Up to 650 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)

Color Laser Printers Comparison

Specifications	HP Color LaserJet Managed M553xm	HP Color LaserJet Managed M651dnm	HP Color LaserJet Managed M651xhm
Functions	Print	Print	Print
Print speed black (ISO, A4)	Up to 38 ppm	Up to 42 ppm	Up to 42 ppm
Print speed black (ISO, letter)	Up to 40 ppm	Up to 45 ppm	Up to 45 ppm
Print speed footnote	Measured using ISO/IEC 24734, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.	Measured using ISO/IEC 24734, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.	Measured using ISO/IEC 24734, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
Print speed color (ISO)	Up to 40 ppm	Up to 45 ppm	Up to 45 ppm
Print Speed Color (ISO)	Up to 38 ppm	Up to 42 ppm	Up to 42 ppm
First page out black (A4, ready)	As fast as 6 sec	As fast as 9.0 sec	As fast as 9.0 sec
First page out black (letter, ready)	As fast as 6 sec	As fast as 9.0 sec	As fast as 9.0 sec
First page out color (A4, ready)	As fast as 7 sec	As fast as 9.0 sec	As fast as 9.0 sec
First page out color (letter, ready)	As fast as 7 sec	As fast as 9.0 sec	As fast as 9.0 sec
Duty cycle (monthly, A4)	Up to 120,000 pages	Up to 180,000 pages	Up to 180,000 pages
Duty cycle (monthly, letter)	Up to 120,000 pages	Up to 180,000 pages	Up to 180,000 pages
Recommended monthly page volume	2000 to 15,000 pages	2000 to 30,000	2000 to 30,000
Control panel	4.3-in touchscreen with color graphics	4.3" (10.9 cm) resistive touchscreen WQVGA (480 x 272 resolution) with Home button	4.3" (10.9 cm) resistive touchscreen WQVGA (480 x 272 resolution) with Home button
Display	4.3-in touchscreen with color graphics	4.3" (10.9 cm) resistive touchscreen WQVGA (480 x 272 resolution) with Home button	4.3" (10.9 cm) resistive touchscreen WQVGA (480 x 272 resolution) with Home button
HP ePrint capability	Yes	Yes	Yes
Connectivity, standard	Hi-Speed USB 2.0 port; built-in Fast Ethernet 10/100/1000Base-TX network port	1 Hi-Speed device USB 2.0; 2 Host USB 2.0 (for third party connections); 1 Accessory (for Kensington Lock); 1 Ethernet	1 Hi-Speed device USB 2.0; 2 Host USB 2.0 (for third party connections); 1 Accessory (for Kensington Lock); 1 Ethernet
Compatible Operating Systems	Windows OS compatible with In-Box Driver: Windows XP (SP3) all 32-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32-bit and 64-bit editions, Windows 8/8.1 all 32-bit and 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32-bit and 64-bit editions (excluding RT OS for Tablets); Windows OS compatible with Universal Print Driver (From HP.com): Windows XP SP3 32-bit and 64-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32-bit and 64-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32-bit and 64-bit editions, Windows 8/8.1 all 32-bit and 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32-bit and 64-bit editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from HP.com and Apple Store): OS X 10.7 Lion, OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, OS X 10.10 Yosemite; Mobile OS (In-OS drivers): iOS, Android, Windows 8/8.1/10 RT; Linux OS (In-OS HPLIP): SUSE Linux (12.2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), Debian (6.0.x, 7.x), Other OS: UNIX	Windows XP SP3 or greater (32-bit and 64-bit), Windows Vista (32-bit and 64-bit), Windows 7 (32-bit and 64-bit), Windows 8 (32-bit and 64-bit), Windows Server 2003 SP2 or greater (32-bit and 64-bit), Windows Server 2008 (32-bit and 64-bit), Windows Server 2008 R2 (64-bit), Windows Server 2012 (64-bit), Windows 10 (32-bit and 64-bit), OS X 10.6 Snow Leopard, OS X 10.7 Lion, OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, For the latest operating system support see: Air Print http://support.apple.com/kb/ht4356, Android Citrix and Windows® Terminal Services (http://www.hp.com/go/upd), HP ePrint Software Driver http://www.hp.com/go/eprintsoftware, Linux (http://www.hplip.net), Novell (http://www.novell.com/iprint), SAP device types http://www.hp.com/go/sap/drivers, SAP Print http://www.hp.com/go/sap/print), UNIX Http.www.hp.com/go/unix, UNIX JetDirect http://www.hp.com/go/jetdirectunix_software, Unix Model Scripts http://www.hp.com/go/unixmodelscripts	Windows XP SP3 or greater (32-bit and 64-bit), Windows Vista (32-bit and 64-bit), Windows 7 (32-bit and 64-bit), Windows 8 (32-bit and 64-bit), Windows Server 2003 SP2 or greater (32-bit and 64-bit), Windows Server 2008 (32-bit and 64-bit), Windows Server 2008 R2 (64-bit), Windows Server 2012 (64-bit), Windows 10 (32-bit and 64-bit), OS X 10.6 Snow Leopard, OS X 10.7 Lion, OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, For the latest operating system support see: Air Print http://support.apple.com/kb/ht4356, Android Citrix and Windows® Terminal Services (http://www.hp.com/go/upd), HP ePrint Software Driver http://www.hp.com/go/eprintsoftware, Linux (http://www.hplip.net), Novell (http://www.novell.com/iprint), SAP device types http://www.hp.com/go/sap/drivers, SAP Print http://www.hp.com/go/sap/print), UNIX Http.www.hp.com/go/unix, UNIX JetDirect http://www.hp.com/go/jetdirectunix_software, Unix Model Scripts http://www.hp.com/go/unixmodelscripts
Input capacity	Up to 1200 sheets	Up to 600 sheets	Up to 3100 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)

HP PageWide Printers

HP PageWide Managed Color E55650dn

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
L3U44A

HP PageWide Managed Color E75160dn printer

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
J7Z06A

HP PageWide Managed Color Flow MFP E58650z

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
L3U43A

HP PageWide Managed Color Flow MFP E77650z – Bundle Product 50 ppm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
J7Z08A

HP PageWide Managed Color Flow MFP E77650zs – Bundle Product 50 ppm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
J7Z14A

HP PageWide Managed Color Flow MFP E77660z – Bundle Product 60 ppm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
J7Z03A

Product image may differ from actual product.

HP PageWide Printers

HP PageWide Managed Color Flow MFP E77660zs – Bundle Product 60 ppm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
J7Z07A

HP PageWide Managed Color MFP E58650dn

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
L3U42A

HP PageWide Managed Color MFP E77650dn – Bundle Product 50 ppm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
J7Z13A

HP PageWide Managed Color MFP E77650dns – Bundle Product 50 ppm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
Z5G79A

HP PageWide Managed Color MFP E77660dn – Bundle Product 60 ppm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
Z5G77A

HP PageWide Managed Color MFP E77660dns – Bundle Product 60 ppm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
2LF96A

Product image may differ from actual product.

HP PageWide Printers

HP PageWide Managed P55250dw Printer

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
J6U55A

HP PageWide Managed P57750dw Multifunction Printer

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
J9V82A

HP PageWide Managed P75050dn Printer

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
Y3Z45A

HP PageWide Managed P77740dn Multifunction Printer

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
Y3Z57A

HP PageWide Managed P77740dw Multifunction Printer

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
W1B33A

HP PageWide Managed P77750z Multifunction Printer

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
W1B37A

Product image may differ from actual product.

HP PageWide Printers

HP PageWide Managed P77760z Multifunction Printer

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
W1B38A

Product image may differ from actual product.

HP PageWide Printers Comparison

Specifications	HP PageWide Managed Color E55650dn	HP PageWide Managed Color E75160dn printer	HP PageWide Managed Color Flow MFP E58650z
Functions		Print	Print, copy, scan, fax
Print speed black (ISO, A4)	Up to 50 ppm	Up to 60 ppm	Up to 50 ppm
Print speed black (ISO, letter)	Up to 50 ppm	Up to 60 ppm	Up to 50 ppm
Print speed color (ISO)	Up to 50 ppm	Up to 60 ppm	Up to 50 ppm
Print Speed Color (ISO)	Up to 50 ppm	Up to 60 ppm	Up to 50 ppm
First page out black (A4, ready)	As fast as 7.1 sec	As fast as 6.7 seconds	As fast as 7.1 sec
First page out black (letter, ready)	As fast as 7.1 sec	As fast as 6.7 seconds	As fast as 7.1 sec
First page out color (A4, ready)	As fast as 7.3 sec	As fast as 6.7 seconds	As fast as 7.3 sec
First page out color (letter, ready)	As fast as 7.3 sec	As fast as 6.7 seconds	As fast as 7.3 sec
Duty cycle (monthly, A4)	Up to 120,000 pages	Up to 250,000 pages	Up to 120,000 pages
Duty cycle (monthly, letter)	Up to 120,000 pages	Up to 250,000 pages	Up to 120,000 pages
Recommended monthly page volume	2000 to 15,000	2500 to 50,000	2000 to 15,000
Control panel	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
Display	4.3 in (10.92 cm) touchscreen, Color Graphic Display (CGD)	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen	8.0 in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
HP ePrint capability	Yes		Yes
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
Compatible Operating Systems	Windows OS compatible with In-Box Driver, Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows OS compatible with Universal Print Driver (From HP.com), Windows XP SP3 32- & 64-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32- & 64-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from HP.com and Apple Store), OS X 10.9 Mavericks, OS X 10.10 Yosemite, OS X 10.11 El Capitan; Mobile OS (In-OS drivers) iOS, Android, Windows 8/8.1/10 RT; Linux OS (In-OS HPLIP, SUSE Linux (12.2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), Debian (6.0.x, 7.x); Other OS; UNIX	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Windows OS compatible with In-Box Driver, Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows OS compatible with Universal Print Driver (From HP.com), Windows XP SP3 32- & 64-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32- & 64-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from HP.com and Apple Store), OS X 10.9 Mavericks, OS X 10.10 Yosemite, OS X 10.11 El Capitan; Mobile OS (In-OS drivers) iOS, Android, Windows 8/8.1/10 RT; Linux OS (In-OS HPLIP, SUSE Linux (12.2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), Debian (6.0.x, 7.x); Other OS; UNIX
Input capacity	Up to 500 sheets	Up to 650 sheets (MP: up to 100 sheets, Tray 2: up to 550 sheets)	Up to 500 sheets
Duplex printing	Automatic (Standard)	Automatic (standard); Manual (driver support provided)	Automatic (standard)
Scan resolution, optical			Up to 600 dpi
Automatic document feeder capacity			Standard, 100 sheets
Copy speed (black, normal quality, A4)			Up to 50 cpm
Copy speed black (normal, letter)			Up to 50 cpm
Copy speed color (normal, letter)			Up to 50 cpm
Copy speed (color, normal quality, A4)			Up to 50 cpm
Fax Transmission Speed			33.6 kbps
Fax transmission speed (letter)			3 sec per page

HP PageWide Printers Comparison

Specifications	HP PageWide Managed Color Flow MFP E77650z – Bundle Product 50 ppm	HP PageWide Managed Color Flow MFP E77650zs – Bundle Product 50 ppm	HP PageWide Managed Color Flow MFP E77660z – Bundle Product 60 ppm
Functions	Print, copy, scan, fax (optional)	Print, copy, scan, fax (optional)	Print, copy, scan, fax (optional)
Print speed black (ISO, A4)	Up to 50 ppm	Up to 50 ppm	Up to 60 ppm
Print speed black (ISO, letter)	Up to 50 ppm	Up to 50 ppm	Up to 60 ppm
Print speed color (ISO)	Up to 50 ppm	Up to 50 ppm	Up to 60 ppm
Print Speed Color (ISO)	Up to 50 ppm	Up to 50 ppm	Up to 60 ppm
First page out black (A4, ready)	As fast as 7.1 sec	As fast as 7.1 sec	As fast as 7.1 sec
First page out black (letter, ready)	As fast as 7.1 sec	As fast as 7.1 sec	As fast as 7.1 sec
First page out color (A4, ready)	As fast as 7.1 sec	As fast as 7.1 sec	As fast as 7.1 sec
First page out color (letter, ready)	As fast as 7.1 sec	As fast as 7.1 sec	As fast as 7.1 sec
Duty cycle (monthly, A4)	Up to 200,000 pages	Up to 200,000 pages	Up to 250,000 pages
Duty cycle (monthly, letter)	Up to 200,000 pages	Up to 200,000 pages	Up to 250,000 pages
Recommended monthly page volume	2500 to 50,000	2500 to 50,000	2500 to 50,000
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket
Display	8.0 in (20.3 cm) touchscreen, XVA Color Graphic Display (CGD)	8.0 in (20.3 cm) touchscreen, XVA Color Graphic Display (CGD)	8.0 in (20.3 cm) touchscreen, XVA Color Graphic Display (CGD)
HP ePrint capability			
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Input capacity	Up to 650 sheets (MP: up to 100 sheets, Tray 2: up to 550 sheets)	Up to 650 sheets (MP: up to 100 sheets, Tray 2: up to 550 sheets)	Up to 650 sheets (MP: up to 100 sheets, Tray 2: up to 550 sheets)
Duplex printing	Automatic (standard) Manual (driver support provided)	Automatic (standard) Manual (driver support provided)	Automatic (standard) Manual (driver support provided)
Scan resolution, optical	Up to 600 ppi	Up to 600 ppi	Up to 600 ppi
Automatic document feeder capacity	Standard, 200 sheets	Standard, 200 sheets	Standard, 200 sheets
Copy speed (black, normal quality, A4)			
Copy speed black (normal, letter)			
Copy speed color (normal, letter)			
Copy speed (color, normal quality, A4)			
Fax Transmission Speed	33.6 kbps	33.6 kbps	33.6 kbps
Fax transmission speed (letter)	3 sec per page	3 sec per page	3 sec per page

HP PageWide Printers Comparison

Specifications	HP PageWide Managed Color Flow MFP E77660zs – Bundle Product 60 ppm	HP PageWide Managed Color MFP E58650dn	HP PageWide Managed Color MFP E77650dn – Bundle Product 50 ppm
Functions	Print, copy, scan, fax (optional)	Print, copy, scan	Print, copy, scan, fax (optional)
Print speed black (ISO, A4)	Up to 60 ppm	Up to 50 ppm	Up to 50 ppm
Print speed black (ISO, letter)	Up to 60 ppm	Up to 50 ppm	Up to 50 ppm
Print speed color (ISO)	Up to 60 ppm	Up to 50 ppm	Up to 50 ppm
Print Speed Color (ISO)	Up to 60 ppm	Up to 50 ppm	Up to 50 ppm
First page out black (A4, ready)	As fast as 7.1 sec	As fast as 7.1 sec	As fast as 7.1 sec
First page out black (letter, ready)	As fast as 7.1 sec	As fast as 7.1 sec	As fast as 7.1 sec
First page out color (A4, ready)	As fast as 7.1 sec	As fast as 7.3 sec	As fast as 7.1 sec
First page out color (letter, ready)	As fast as 7.1 sec	As fast as 7.3 sec	As fast as 7.1 sec
Duty cycle (monthly, A4)	Up to 250,000 pages	Up to 120,000 pages	Up to 200,000 pages
Duty cycle (monthly, letter)	Up to 250,000 pages	Up to 120,000 pages	Up to 200,000 pages
Recommended monthly page volume	2500 to 50,000	2000 to 15,000	2500 to 50,000
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket
Display	8.0 in (20.3 cm) touchscreen, XVA Color Graphic Display (CGD)	8.0 in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0 in (20.3 cm) touchscreen, XVA Color Graphic Display (CGD)
HP ePrint capability		Yes	
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Windows OS compatible with In-Box Driver, Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows OS compatible with Universal Print Driver (From HP.com), Windows XP SP3 32- & 64-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32- & 64-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from HP.com and Apple Store), OS X 10.9 Mavericks, OS X 10.10 Yosemite, OS X 10.11 El Capitan; Mobile OS (In-OS drivers) iOS, Android, Windows 8/8.1/10 RT; Linux OS (In-OS HPLIP, SUSE Linux (12.2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), Debian (6.0.x, 7.x); Other OS; UNIX	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Input capacity	Up to 650 sheets (MP: up to 100 sheets, Tray 2: up to 550 sheets)	Up to 500 sheets	Up to 650 sheets (MP: up to 100 sheets, Tray 2: up to 550 sheets)
Duplex printing	Automatic (standard) Manual (driver support provided)	Automatic (standard)	Automatic (standard) Manual (driver support provided)
Scan resolution, optical	Up to 600 ppi	Up to 600 dpi	Up to 600 ppi
Automatic document feeder capacity	Standard, 200 sheets	Standard, 100 sheets	Standard, 200 sheets
Copy speed (black, normal quality, A4)		Up to 50 cpm	
Copy speed black (normal, letter)		Up to 50 cpm	
Copy speed color (normal, letter)		Up to 50 cpm	
Copy speed (color, normal quality, A4)		Up to 50 cpm	
Fax Transmission Speed	33.6 kbps		33.6 kbps
Fax transmission speed (letter)	3 sec per page		3 sec per page

HP PageWide Printers Comparison

Specifications	HP PageWide Managed Color MFP E77650dns – Bundle Product 50 ppm	HP PageWide Managed Color MFP E77660dn – Bundle Product 60 ppm	HP PageWide Managed Color MFP E77660dns – Bundle Product 60 ppm
Functions	Print, copy, scan, fax (optional)	Print, copy, scan, fax (optional)	Print, copy, scan, fax (optional)
Print speed black (ISO, A4)	Up to 50 ppm	Up to 60 ppm	Up to 60 ppm
Print speed black (ISO, letter)	Up to 50 ppm	Up to 60 ppm	Up to 60 ppm
Print speed color (ISO)	Up to 50 ppm	Up to 60 ppm	Up to 60 ppm
Print Speed Color (ISO)	Up to 50 ppm	Up to 60 ppm	Up to 60 ppm
First page out black (A4, ready)	As fast as 7.1 sec	As fast as 7.1 sec	As fast as 7.1 sec
First page out black (letter, ready)	As fast as 7.1 sec	As fast as 7.1 sec	As fast as 7.1 sec
First page out color (A4, ready)	As fast as 7.1 sec	As fast as 7.1 sec	As fast as 7.1 sec
First page out color (letter, ready)	As fast as 7.1 sec	As fast as 7.1 sec	As fast as 7.1 sec
Duty cycle (monthly, A4)	Up to 200,000 pages	Up to 250,000 pages	Up to 250,000 pages
Duty cycle (monthly, letter)	Up to 200,000 pages	Up to 250,000 pages	Up to 250,000 pages
Recommended monthly page volume	2500 to 50,000	2500 to 50,000	2500 to 50,000
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket
Display	8.0 in (20.3 cm) touchscreen, XVA Color Graphic Display (CGD)	8.0 in (20.3 cm) touchscreen, XVA Color Graphic Display (CGD)	8.0 in (20.3 cm) touchscreen, XVA Color Graphic Display (CGD)
HP ePrint capability			
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Input capacity	Up to 650 sheets (MP: up to 100 sheets, Tray 2: up to 550 sheets)	Up to 650 sheets (MP: up to 100 sheets, Tray 2: up to 550 sheets)	Up to 650 sheets (MP: up to 100 sheets, Tray 2: up to 550 sheets)
Duplex printing	Automatic (standard) Manual (driver support provided)	Automatic (standard) Manual (driver support provided)	Automatic (standard) Manual (driver support provided)
Scan resolution, optical	Up to 600 ppi	Up to 600 ppi	Up to 600 ppi
Automatic document feeder capacity	Standard, 200 sheets	Standard, 200 sheets	Standard, 200 sheets
Copy speed (black, normal quality, A4)			
Copy speed black (normal, letter)			
Copy speed color (normal, letter)			
Copy speed (color, normal quality, A4)			
Fax Transmission Speed	33.6 kbps	33.6 kbps	33.6 kbps
Fax transmission speed (letter)	3 sec per page	3 sec per page	3 sec per page

HP PageWide Printers Comparison

Specifications	HP PageWide Managed P55250dw Printer	HP PageWide Managed P57750dw Multifunction Printer	HP PageWide Managed P75050dn Printer
Functions	Print	Print, copy, scan, fax	Print
Print speed black (ISO, A4)		Up to 50 ppm	Up to 50 ppm
Print speed black (ISO, letter)		Up to 50 ppm	Up to 50 ppm
Print speed color (ISO)	Up to 50 ppm	Up to 50 ppm	Up to 50 ppm
Print Speed Color (ISO)	Up to 50 ppm	Up to 50 ppm	Up to 50 ppm
First page out black (A4, ready)	As fast as 6 sec	As fast as 6 sec	As fast as 7.5 sec
First page out black (letter, ready)	As fast as 6 sec	As fast as 6 sec	As fast as 7.5 sec
First page out color (A4, ready)	As fast as 6.5 sec	As fast as 6.5 sec	As fast as 7.5 sec
First page out color (letter, ready)	AS fast as 6.5 sec	As fast as 6.5 sec	As fast as 7.5 sec
Duty cycle (monthly, A4)	Up to 80,000 pages	Up to 80,000 pages	Up to 200,000
Duty cycle (monthly, letter)	Up to 80,000 pages	Up to 80,000 pages	Up to 200,000
Recommended monthly page volume	1000 to 6000	1000 to 6000	2500 to 40,000
Control panel	4.3" CGD (Color Graphic Display), IR touchscreen	4.3" CGD (color graphics), IR touchscreen	4.3" CGD (Color Graphic Display), IR touchscreen
Display	4.3" CGD (Color Graphic Display), IR touchscreen	4.3" CGD (color graphics), IR touchscreen	4.3" CGD (Color Graphic Display), IR touchscreen
HP ePrint capability	Yes	Yes	
Connectivity, standard	1 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Ethernet 10/100 Base-TX network; 802.11 b/g/n Station; 802.11 b/g Access Point	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Ethernet 10/100 Base-TX network; 2 RJ-11 modem port/phone line; 802.11 b/g/n Station; 802.11 b/g Access Point	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Ethernet 10/100/1000 Base-T network; 2 RJ-11 modem port/phone line; 802.11 b/g/n - dual band Station; NFC; Bluetooth Smart; WiFi Direct; (wireless 802.11b/g/n - dual band; NFC; Bluetooth Smart, WiFi Direct - Wifi SKUs only)
Compatible Operating Systems	Windows 10, Windows 8, Windows 7, Mac OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks, Linux (hplip.net)	Windows 10, Windows 8, Windows 7, OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks Lion, Linux (hplip.net)	Windows 10 (32- and 64-bit), Windows 8/8.1 (32- and 64-bit), Windows 7 (32- and 64-bit), Windows Vista (32-bit), Windows XP SP3 (32-bit), Mac OS X 10.12 Sierra, Mac OS X v10.11 El Capitan, OS X v10.10 Yosemite, Linux (see www.hp.com/go/linuxprinting), UNIX (see www.hp.com/go/unixmodelscripts)
Input capacity	Up to 500 sheets	Up to 500 sheets	Up to 550 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Scan resolution, optical		Up to 1200 dpi	
Automatic document feeder capacity		Standard, 50 sheets	
Copy speed (black, normal quality, A4)			
Copy speed black (normal, letter)			
Copy speed color (normal, letter)			
Copy speed (color, normal quality, A4)			
Fax Transmission Speed		33.6 kbps	
Fax transmission speed (letter)		4 sec per page	

HP PageWide Printers Comparison

Specifications	HP PageWide Managed P77740dn Multifunction Printer	HP PageWide Managed P77740dw Multifunction Printer	HP PageWide Managed P77750z Multifunction Printer
Functions	Print, copy, scan, fax	Print, copy, scan, fax	Print, copy, scan, fax
Print speed black (ISO, A4)	Up to 40 ppm	Up to 40 ppm	Up to 50 ppm
Print speed black (ISO, letter)	Up to 40 ppm	Up to 40 ppm	Up to 50 ppm
Print speed color (ISO)	Up to 40 ppm	Up to 40 ppm	Up to 50 ppm
Print Speed Color (ISO)	Up to 40 ppm	Up to 40 ppm	Up to 50 ppm
First page out black (A4, ready)	As fast as 8 sec	As fast as 8 sec	As fast as 7.5 sec
First page out black (letter, ready)	As fast as 8 sec	As fast as 8 sec	As fast as 7.5 sec
First page out color (A4, ready)	As fast as 8 sec	As fast as 8 sec	As fast as 7.5 sec
First page out color (letter, ready)	As fast as 8 sec	As fast as 8 sec	As fast as 7.5 sec
Duty cycle (monthly, A4)	Up to 150,000 pages	Up to 150,000 pages	Up to 200,000 pages
Duty cycle (monthly, letter)	Up to 150,000 pages	Up to 150,000 pages	Up to 200,000 pages
Recommended monthly page volume	2500 to 30,000	2500 to 30,000	2500 to 40,000
Control panel	4.3" CGD (Color Graphic Display), IR touchscreen for P77740dn&dw series	4.3" CGD (Color Graphic Display), IR touchscreen for P77740dn&dw series	8" CGD (Color Graphics Display), Cap touchscreen
Display	4.3" CGD (Color Graphic Display), IR touchscreen for P77740dn&dw series	4.3" CGD (Color Graphic Display), IR touchscreen for P77740dn&dw series	8 CGD (Color Graphics Display), Cap touchscreen
HP ePrint capability			
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Ethernet 10/100/1000 Base-T network; 2 RJ-11 modem port/phone line	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Ethernet 10/100/1000 Base-T network; 2 RJ-11 modem port/phone line; 802.11 b/g/n – dual band Station; NFC; Bluetooth Smart; WiFi Direct;	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Ethernet 10/100/1000 Base-T network; 2 RJ-11 modem port/phone line; 802.11 b/g/n – dual band Station; NFC; Bluetooth Smart; WiFi Direct
Compatible Operating Systems	Go to hp.com/search for HP PageWide Managed P77740dn Multifunction Printer for all operating Systems	Go to hp.com/search for HP PageWide Managed P77740dw Multifunction Printer for all operating Systems	Go to hp.com/search for HP PageWide Managed P77750z Multifunction Printer for all operating Systems
Input capacity	Up to 1100 sheets Tandem Tray; Up to 100 sheets – MP Tray	Up to 1100 sheets Tandem Tray; Up to 100 sheets – MP Tray	Up to 550 sheets Tandem Tray; Up to 100 sheets – MP Tray
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Scan resolution, optical	Up to 600 dpi	Up to 600 dpi	Up to 600 dpi
Automatic document feeder capacity	100 sheets	100 sheets	100 sheets
Copy speed (black, normal quality, A4)			
Copy speed black (normal, letter)			
Copy speed color (normal, letter)			
Copy speed (color, normal quality, A4)			
Fax Transmission Speed	33.6 kbps	33.6 kbps	33.6 kbps
Fax transmission speed (letter)	5 Sec per page	5 Sec per page	5 Sec per page

HP PageWide Printers Comparison

Specifications	HP PageWide Managed P77760z Multifunction Printer
Functions	Print, copy, scan, fax
Print speed black (ISO, A4)	Up to 60 ppm
Print speed black (ISO, letter)	Up to 60 ppm
Print speed color (ISO)	Up to 60 ppm
Print Speed Color (ISO)	Up to 60 ppm
First page out black (A4, ready)	As fast as 7 sec
First page out black (letter, ready)	As fast as 7 sec
First page out color (A4, ready)	As fast as 7 sec
First page out color (letter, ready)	As fast as 7 sec
Duty cycle (monthly, A4)	Up to 250,000 pages
Duty cycle (monthly, letter)	Up to 250,000 pages
Recommended monthly page volume	2,500 to 50,000
Control panel	8" CGD (Color Graphics Display), Cap touchscreen
Display	8 CGD (Color Graphics Display), Cap touchscreen
HP ePrint capability	
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Ethernet 10/100/1000 Base-T network; 2 RJ-11 modem port/phone line; 802.11 b/g/n – dual band Station; NFC; Bluetooth Smart; WiFi Direct
Compatible Operating Systems	Go to hp.com/search for HP PageWide Managed P77760z Multifunction Printer for all operating Systems
Input capacity	Up to 550 sheets Tandem Tray; Up to 100 sheets – MP Tray
Duplex printing	Automatic (standard)
Scan resolution, optical	Up to 600 dpi
Automatic document feeder capacity	100 sheets
Copy speed (black, normal quality, A4)	
Copy speed black (normal, letter)	
Copy speed color (normal, letter)	
Copy speed (color, normal quality, A4)	
Fax Transmission Speed	33.6 kbps
Fax transmission speed (letter)	5 Sec per page

Laser Multifunction Printers

HP Color LaserJet Managed Flow MFP E67560z

HP Managed MFPs are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this product can help reduce printing and copying costs. See your HP Authorized Reseller for details.
L3U70A

HP Color LaserJet Managed Flow MFP E77822z Plus – Bundle Product 22 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.[1]
Z8Z01A

HP Color LaserJet Managed Flow MFP E77825z Plus – Bundle Product 25 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.[1]
Z8Z03A

HP Color LaserJet Managed Flow MFP E77830z Plus – Bundle Product 30 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.[1]
Z8Z05A

HP Color LaserJet Managed Flow MFP E87640z Plus – Bundle Product 40 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.[1]
Z8Z13A

HP Color LaserJet Managed Flow MFP E87650z Plus – Bundle Product 50 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.[1]
Z8Z15A

Product image may differ from actual product.

Laser Multifunction Printers

HP Color LaserJet Managed Flow MFP E87660z Plus – Bundle Product 60 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.[1]
Z8Z17A

HP Color LaserJet Managed Flow MFP M575cm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
L3U45A

HP Color LaserJet Managed Flow MFP M577cm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
B5L50A

HP Color LaserJet Managed MFP E67550dh

HP Managed MFPs are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this product can help reduce printing and copying costs. See your HP Authorized Reseller for details.
L3U66A

HP Color LaserJet Managed MFP E77822dn Plus – Bundle Product 22 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.[1]
Z8Z00A

HP Color LaserJet Managed MFP E77825dn Plus – Bundle Product 25 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.[1]
Z8Z02A

Product image may differ from actual product.

Laser Multifunction Printers

HP Color LaserJet Managed MFP E77830dn Plus – Bundle Product 30 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.[1]
Z8Z04A

HP Color LaserJet Managed MFP E87640dn Plus – Bundle Product 40 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.[1]
Z8Z12A

HP Color LaserJet Managed MFP E87650dn Plus – Bundle Product 50 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.[1]
Z8Z14A

HP Color LaserJet Managed MFP E87660dn Plus – Bundle Product 60 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP Color LaserJet MFPs—to power productivity with a streamlined design that delivers premium color value, maximum uptime, and the strongest security.[1]
Z8Z16A

HP Color LaserJet Managed MFP M577dnm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
B5L49A

HP LaserJet Managed Flow MFP E62565h

This HP LaserJet MFP with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network from attacks with the industry's deepest security.[2]
J8J74A

Product image may differ from actual product.

Laser Multifunction Printers

HP LaserJet Managed Flow MFP E62565z

This HP LaserJet MFP with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network from attacks with the industry's deepest security.[2]
J8J79A

HP LaserJet Managed Flow MFP E62575z

This HP LaserJet MFP with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network from attacks with the industry's deepest security.[1]
J8J80A

HP LaserJet Managed Flow MFP E72525z Plus – Bundle Product 25 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.[1]
Z8Z07A

HP LaserJet Managed Flow MFP E72530z Plus – Bundle Product 30 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.[1]
Z8Z09A

HP LaserJet Managed Flow MFP E72535z Plus – Bundle Product 35 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.[1]
Z8Z11A

HP LaserJet Managed Flow MFP E82540z Plus – Bundle Product 40 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.[1]
Z8Z19A

Product image may differ from actual product.

Laser Multifunction Printers

HP LaserJet Managed Flow MFP E82550z Plus – Bundle Product 50 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.[1]
Z8Z21A

HP LaserJet Managed Flow MFP E82560z Plus – Bundle Product 60 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.[1]
Z8Z23A

HP LaserJet Managed Flow MFP M527cm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
F2A80A

HP LaserJet Managed MFP E62555dn

This HP LaserJet MFP with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network from attacks with the industry's deepest security.[1]
J8J66A

HP LaserJet Managed MFP E62565hs

This HP LaserJet MFP with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network from attacks with the industry's deepest security.[2]
J8J73A

HP LaserJet Managed MFP E72525dn Plus – Bundle Product 25 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.[1]
Z8Z06A

Product image may differ from actual product.

Laser Multifunction Printers

HP LaserJet Managed MFP E72530dn Plus – Bundle Product 30 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.[1]
Z8Z08A

HP LaserJet Managed MFP E72535dn Plus – Bundle Product 35 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.[1]
Z8Z10A

HP LaserJet Managed MFP E82540dn Plus – Bundle Product 40 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.[1]
Z8Z18A

HP LaserJet Managed MFP E82550dn Plus – Bundle Product 50 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.[1]
Z8Z20A

HP LaserJet Managed MFP E82560dn Plus – Bundle Product 60 ppm

Businesses that stay ahead don't slow down. It's why HP built the next generation of HP LaserJet MFPs—to power productivity with a streamlined design that delivers premium quality, maximum uptime, and the strongest security.[1]
Z8Z22A

HP LaserJet Managed MFP M527dnm

HP Managed MFPs and printers are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.
F2A79A

Product image may differ from actual product.

1. Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit http://www.hp.com/go/PrintersThatProtect. For more information: http://www.hp.com/go/printersecurityclaims

2. Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit http://www.hp.com/go/PrintersThatProtect. For more information: http://www.hp.com/go/printersecurityclaims.

Laser Multifunction Printers Comparison

Specifications	HP Color LaserJet Managed Flow MFP E67560z	HP Color LaserJet Managed Flow MFP E77822z Plus – Bundle Product 22 ppm	HP Color LaserJet Managed Flow MFP E77825z Plus – Bundle Product 25 ppm
Functions	Print, copy, scan	Print, Copy, Scan (fax and wireless optional)	Print, Copy, Scan (fax and wireless optional)
Print speed black (ISO, letter)	Up to 60 ppm	Up to 22 ppm	Up to 25 ppm
Print speed black (ISO, A4)	Up to 56 ppm	Up to 22 ppm	Up to 25 ppm
Print speed footnote			
Print Speed Color (ISO)	Up to 56 ppm	Up to 22 ppm	Up to 25 ppm
Print speed color (ISO)	Up to 60 ppm	Up to 22 ppm	Up to 25 ppm
First page out black (A4, ready)	As fast as 5.8 sec	As fast as 10.0 sec	As fast as 9.7 sec
First page out black (letter, ready)	As fast as 5.7 sec	As fast as 10.1 sec	As fast as 9.8 sec
First page out color (A4, ready)	As fast as 5.8 sec	As fast as 12.2 sec	As fast as 11.7 sec
First page out color (letter, ready)	As fast as 5.7 sec	As fast as 12.3 sec	As fast as 11.8 sec
Duty cycle (monthly, letter)	Up to 180,000 pages	Up to 300,000 pages	Up to 300,000 pages
Duty cycle (monthly, A4)	Up to 180,000 pages	Up to 300,000 pages	Up to 300,000 pages
Recommended monthly page volume	4000 to 30,000	Up to 30,000	Up to 30,000
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); Extended Keyboard	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
Display	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
HP ePrint capability	Yes		
Connectivity, standard	1 Hi-Speed Device USB 2.0; 2 Host USB (1 walk-up and 1 external accessible); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Input capacity	Up to 650 sheets	Up to 520 sheets	Up to 520 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Scan resolution, optical	Up to 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Automatic document feeder capacity	Standard, 150 sheets	Standard, 250 sheets	Standard, 250 sheets
Copy speed (black, normal quality, A4)	Up to 56 cpm	Up to 22 cpm	Up to 25 cpm
Copy speed black (normal, letter)	Up to 60 cpm	Up to 22 cpm	Up to 25 cpm
Copy speed (color, normal quality, A4)	Up to 56 cpm	Up to 22 cpm	Up to 25 cpm
Copy speed color (normal, letter)	Up to 60 cpm	Up to 22 cpm	Up to 25 cpm
Fax transmission speed (letter)		3 sec per page	3 sec per page
Fax Transmission Speed		33.6 kbps	33.6 kbps

Laser Multifunction Printers Comparison

Specifications	HP Color LaserJet Managed Flow MFP E77830z Plus – Bundle Product 30 ppm	HP Color LaserJet Managed Flow MFP E87640z Plus – Bundle Product 40 ppm	HP Color LaserJet Managed Flow MFP E87650z Plus – Bundle Product 50 ppm
Functions	Print, Copy, Scan (fax and wireless optional)	Print, Copy, Scan (fax and wireless optional)	Print, Copy, Scan (fax and wireless optional)
Print speed black (ISO, letter)	Up to 30 ppm	Up to 40 ppm	Up to 50 ppm
Print speed black (ISO, A4)	Up to 30 ppm	Up to 40 ppm	Up to 50 ppm
Print speed footnote			Measured using ISO/IEC 24734, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
Print Speed Color (ISO)	Up to 30 ppm	Up to 40 ppm	Up to 50 ppm
Print speed color (ISO)	Up to 30 ppm	Up to 40 ppm	Up to 50 ppm
First page out black (A4, ready)	As fast as 9.6 sec	As fast as 8.1 sec	As fast as 7.2 sec
First page out black (letter, ready)	As fast as 9.7 sec	As fast as 8.2 sec	As fast as 7.3 sec
First page out color (A4, ready)	As fast as 11.3 sec	As fast as 9.2 sec	As fast as 8.3 sec
First page out color (letter, ready)	As fast as 11.4 sec	As fast as 9.3 sec	As fast as 8.4 sec
Duty cycle (monthly, letter)	Up to 300,000 pages	Up to 300,000 pages	Up to 300,000 pages
Duty cycle (monthly, A4)	Up to 300,000 pages	Up to 300,000 pages	Up to 300,000 pages
Recommended monthly page volume	Up to 30,000	Up to 50,000	Up to 50,000
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
Display	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
HP ePrint capability		Yes	Yes
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Input capacity	Up to 520 sheets	Up to 520 sheets	Up to 520 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Scan resolution, optical	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Automatic document feeder capacity	Standard, 250 sheets	Standard, 250 sheets	Standard, 250 sheets
Copy speed (black, normal quality, A4)	Up to 30 cpm	Up to 40 cpm	Up to 50 cpm
Copy speed black (normal, letter)	Up to 30 cpm	Up to 40 cpm	Up to 50 cpm
Copy speed (color, normal quality, A4)	Up to 30 cpm	Up to 40 cpm	Up to 50 cpm
Copy speed color (normal, letter)	Up to 30 cpm	Up to 40 cpm	Up to 50 cpm
Fax transmission speed (letter)	3 sec per page	3 sec per page	3 sec per page
Fax Transmission Speed	33.6 kbps	33.6 kbps	33.6 kbps

Laser Multifunction Printers Comparison

Specifications	HP Color LaserJet Managed Flow MFP E87660z Plus – Bundle Product 60 ppm	HP Color LaserJet Managed Flow MFP M575cm	HP Color LaserJet Managed Flow MFP M577cm
Functions	Print, Copy, Scan (fax and wireless optional)	Print, copy, scan, fax, digital send, easy access USB drive, convenience stapler, (optional advanced digital send, wireless)	Print, copy, scan, fax
Print speed black (ISO, letter)	Up to 60 ppm	Up to 31 ppm	Up to 40 ppm
Print speed black (ISO, A4)	Up to 60 ppm	Up to 30 ppm	Up to 38 ppm
Print speed footnote		Measured using ISO/IEC 24734, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.	
Print Speed Color (ISO)	Up to 60 ppm	Up to 30 ppm	Up to 38 ppm
Print speed color (ISO)	Up to 60 ppm	Up to 31 ppm	Up to 40 ppm
First page out black (A4, ready)	As fast as 6.9 sec	As fast as 10.5 sec	As fast as 5.9 sec
First page out black (letter, ready)	As fast as 7.0 sec	As fast as 10.5 sec	As fast as 5.7 sec
First page out color (A4, ready)	As fast as 8.0 sec	As fast as 10.5 sec	As fast as 6.9 sec
First page out color (letter, ready)	As fast as 8.1 sec	As fast as 10.5 sec	As fast as 6.8 sec
Duty cycle (monthly, letter)	Up to 300,000 pages	Up to 120,000 pages	Up to 120,000 pages
Duty cycle (monthly, A4)	Up to 300,000 pages	Up to 120,000 pages	Up to 120,000 pages
Recommended monthly page volume	Up to 50,000	2000 to 15,000	2000 to 15,000
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard	8.0-in (20.3 cm) color LCD with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB 2.0 port; Hardware Integration Pocket	8.0-in (20.3 cm) color touchscreen; adjustable angle display with gesturing; illuminated Home button (for quick return to the Home menu) and integrated keyboard
Display	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0" (20.3 cm) touchscreen, SVGA LCD (color graphics)	8" color touchscreen
HP ePrint capability	Yes	Yes	Yes
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Foreign Interface; 1 Hardware Integration Pocket; 2 Internal USB Host; 1 Fax	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit/Fast Ethernet 10/100/1000Base-TX network; Hardware Integration Pocket; Fax
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Windows 10, Windows 8, Windows 7, Windows Vista, Windows XP (SP2+), Windows Server 2003 (SP1+), Windows Server 2008 (32 and 64-bit), Windows Server 2008 R2 (64-bit); Mac OS X v10.5, 10.6, 10.7; For the latest operating system support see: Citrix and Windows Terminal Services (http://www.hp.com/go/upd); Novell (http://www.novell.com/iprint); Linux (http://www.hplip.net); UNIX (http://www.hp.com/go/unix, http://www.hp.com/go/unixmodelscripts, http://www.hp.com/go/jetdirectunix_software); SAP device types (http://www.hp.com/go/sap/drivers, http://www.hp.com/go/sap/print); HP ePrint Mobile Driver (http://www.hp.com/go/eprintmobiledriver)	Windows OS compatible with In-Box Driver; Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Windows OS compatible with Universal Print Driver (From HP.com); Windows XP SP3 32- & 64-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32- & 64-bit editions (Home Basic, Premium, Professional, etc.),Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from HP.com and Apple Store); OS X 10.8 Mountain Lion,OS X 10.9 Mavericks, OS X 10.10 Yosemite; Mobile OS (In-OS drivers); iOS, Android, Windows 8/8.1/10 RT; Linux OS (In-OS HPLIP; SUSE Linux (12.2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), Debian (6.0.x, 7.x); Other OS; UNIX
Input capacity	Up to 520 sheets	Up to 350 sheets	Up to 650 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Scan resolution, optical	Up to 600 x 600 dpi	Up to 600 dpi	Up to 600 dpi
Automatic document feeder capacity	Standard, 250 sheets	Standard, 100 sheets	Standard, 100 sheets
Copy speed (black, normal quality, A4)	Up to 60 cpm	Up to 30 cpm	Up to 38 cpm
Copy speed black (normal, letter)	Up to 60 cpm	Up to 31 cpm	Up to 40 cpm
Copy speed (color, normal quality, A4)	Up to 60 cpm	Up to 30 cpm	Up to 38 cpm

	HP Color LaserJet Managed Flow MFP E87660z Plus – Bundle Product 60 ppm	HP Color LaserJet Managed Flow MFP M575cm	HP Color LaserJet Managed Flow MFP M577cm
Specifications			
Copy speed color (normal, letter)	Up to 60 cpm	Up to 31 cpm	Up to 40 cpm
Fax transmission speed (letter)	3 sec per page	3 sec per page	3 sec per page
Fax Transmission Speed	33.6 kbps	33.6 kbps	33.6 kbps

Laser Multifunction Printers Comparison

Specifications	HP Color LaserJet Managed MFP E67550dh	HP Color LaserJet Managed MFP E77822dn Plus – Bundle Product 22 ppm	HP Color LaserJet Managed MFP E77825dn Plus – Bundle Product 25 ppm
Functions	Print, copy, scan	Print, Copy, Scan (fax and wireless optional)	Print, Copy, Scan (fax and wireless optional)
Print speed black (ISO, letter)	Up to 50 ppm	Up to 22 ppm	Up to 25 ppm
Print speed black (ISO, A4)	Up to 47 ppm	Up to 22 ppm	Up to 25 ppm
Print speed footnote			
Print Speed Color (ISO)	Up to 47 ppm	Up to 22 ppm	Up to 25 ppm
Print speed color (ISO)	Up to 50 ppm	Up to 22 ppm	Up to 25 ppm
First page out black (A4, ready)	As fast as 6.5 sec	As fast as 10.0 sec	As fast as 9.7 sec
First page out black (letter, ready)	As fast as 6.4 sec	As fast as 10.1 sec	As fast as 9.8 sec
First page out color (A4, ready)	As fast as 6.5 sec	As fast as 12.2 sec	As fast as 11.7 sec
First page out color (letter, ready)	As fast as 6.4 sec	As fast as 12.3 sec	As fast as 11.8 sec
Duty cycle (monthly, letter)	Up to 150,000 pages	Up to 300,000 pages	Up to 300,000 pages
Duty cycle (monthly, A4)	Up to 150,000 pages	Up to 300,000 pages	Up to 300,000 pages
Recommended monthly page volume	3000 to 24,000	Up to 30,000	Up to 30,000
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket
Display	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
HP ePrint capability	Yes		
Connectivity, standard	1 Hi-Speed Device USB 2.0; 2 Host USB (1 walk-up and 1 external accessible); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Input capacity	Up to 650 sheets	Up to 520 sheets	Up to 520 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Scan resolution, optical	Up to 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Automatic document feeder capacity	Standard, 150 sheets	Standard, 250 sheets	Standard, 250 sheets
Copy speed (black, normal quality, A4)	Up to 47 cpm	Up to 22 cpm	Up to 25 cpm
Copy speed black (normal, letter)	Up to 50 cpm	Up to 22 cpm	Up to 25 cpm
Copy speed (color, normal quality, A4)	Up to 47 cpm	Up to 22 cpm	Up to 25 cpm
Copy speed color (normal, letter)	Up to 50 cpm	Up to 22 cpm	Up to 25 cpm
Fax transmission speed (letter)		3 sec per page	3 sec per page
Fax Transmission Speed		33.6 kbps	33.6 kbps

Laser Multifunction Printers Comparison

Specifications	HP Color LaserJet Managed MFP E77830dn Plus – Bundle Product 30 ppm	HP Color LaserJet Managed MFP E87640dn Plus – Bundle Product 40 ppm	HP Color LaserJet Managed MFP E87650dn Plus – Bundle Product 50 ppm
Functions	Print, Copy, Scan (fax and wireless optional)	Print, Copy, Scan (fax and wireless optional)	Print, Copy, Scan (fax and wireless optional)
Print speed black (ISO, letter)	Up to 30 ppm	Up to 40 ppm	Up to 50 ppm
Print speed black (ISO, A4)	Up to 30 ppm	Up to 40 ppm	Up to 50 ppm
Print speed footnote			
Print Speed Color (ISO)	Up to 30 ppm	Up to 40 ppm	Up to 50 ppm
Print speed color (ISO)	Up to 30 ppm	Up to 40 ppm	Up to 50 ppm
First page out black (A4, ready)	As fast as 9.6 sec	As fast as 8.1 sec	As fast as 7.2 sec
First page out black (letter, ready)	As fast as 9.7 sec	As fast as 8.2 sec	As fast as 7.3 sec
First page out color (A4, ready)		As fast as 9.2 sec	As fast as 8.3 sec
First page out color (letter, ready)	As fast as 11.4 sec	As fast as 9.3 sec	As fast as 8.4 sec
Duty cycle (monthly, letter)	Up to 300,000 pages	Up to 300,000 pages	Up to 300,000 pages
Duty cycle (monthly, A4)	Up to 300,000 pages	Up to 300,000 pages	Up to 300,000 pages
Recommended monthly page volume	Up to 30,000	Up to 50,000	Up to 50,000
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket
Display	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
HP ePrint capability		Yes	Yes
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Input capacity	Up to 520 sheets	Up to 520 sheets	Up to 520 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Scan resolution, optical	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Automatic document feeder capacity	Standard, 250 sheets	Standard, 250 sheets	Standard, 250 sheets
Copy speed (black, normal quality, A4)	Up to 30 cpm	Up to 40 cpm	Up to 50 cpm
Copy speed black (normal, letter)	Up to 30 cpm	Up to 40 cpm	Up to 50 cpm
Copy speed (color, normal quality, A4)	Up to 30 cpm	Up to 40 cpm	Up to 50 cpm
Copy speed color (normal, letter)	Up to 30 cpm	Up to 40 cpm	Up to 50 cpm
Fax transmission speed (letter)	3 sec per page	3 sec per page	3 sec per page
Fax Transmission Speed	33.6 kbps	33.6 kbps	33.6 kbps

Laser Multifunction Printers Comparison

Specifications	HP Color LaserJet Managed MFP E87660dn Plus – Bundle Product 60 ppm	HP Color LaserJet Managed MFP M577dnm	HP LaserJet Managed Flow MFP E62565h
Functions	Print, Copy, Scan (fax and wireless optional)	Print, copy, scan	Print, Copy, Scan
Print speed black (ISO, letter)	Up to 60 ppm	Up to 40 ppm	Up to 65 ppm
Print speed black (ISO, A4)	Up to 60 ppm	Up to 38 ppm	Up to 61 ppm
Print speed footnote			
Print Speed Color (ISO)	Up to 60 ppm	Up to 38 ppm	
Print speed color (ISO)	Up to 60 ppm	Up to 40 ppm	
First page out black (A4, ready)	As fast as 6.9 sec	As fast as 5.6 sec	As fast as 5.4 sec
First page out black (letter, ready)	As fast as 7.0 sec	As fast as 5.5 sec	As fast as 5.3 sec
First page out color (A4, ready)	As fast as 8.0 sec	As fast as 6.9 sec	
First page out color (letter, ready)	As fast as 8.1 sec	As fast as 6.8 sec	
Duty cycle (monthly, letter)	Up to 300,000 pages	Up to 120,000 pages	Up to 450,000 pages
Duty cycle (monthly, A4)	Up to 300,000 pages	Up to 120,000 pages	Up to 450,000 pages
Recommended monthly page volume	Up to 50,000	2000 to 15,000	5000 to 40,000
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket	8.0-in (20.3 cm) color touchscreen; adjustable angle display with gesturing; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); Extended Keyboard
Display	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8" color touchscreen	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)
HP ePrint capability	Yes	Yes	Yes
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit/Fast Ethernet 10/100/1000Base-TX network; Hardware Integration Pocket	1 Hi-Speed Device USB 2.0; 2 Host USB (1 walk-up and 1 external accessible); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Windows OS compatible with In-Box Driver; Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Windows OS compatible with Universal Print Driver (From HP.com); Windows XP SP3 32- & 64-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32- & 64-bit editions (Home Basic, Premium, Professional, etc.),Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from HP.com and Apple Store); OS X 10.8 Mountain Lion,OS X 10.9 Mavericks, OS X 10.10 Yosemite; Mobile OS (In-OS drivers); iOS, Android, Windows 8/8.1/10 RT; Linux OS (In-OS HPLIP; SUSE Linux (12.2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), Debian (6.0.x, 7.x); Other OS; UNIX	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Input capacity	Up to 520 sheets	Up to 650 sheets	Up to 650 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Scan resolution, optical	Up to 600 x 600 dpi	Up to 600 dpi	up to 600 dpi
Automatic document feeder capacity	Standard, 250 sheets	Standard, 100 sheets	Standard, 150 sheets
Copy speed (black, normal quality, A4)	Up to 60 cpm	Up to 38 cpm	Up to 61 cpm
Copy speed black (normal, letter)	Up to 60 cpm	Up to 40 cpm	Up to 65 cpm
Copy speed (color, normal quality, A4)	Up to 60 cpm	Up to 38 cpm	
Copy speed color (normal, letter)	Up to 60 cpm	Up to 40 cpm	
Fax transmission speed (letter)	3 sec per page		
Fax Transmission Speed	33.6 kbps		

Laser Multifunction Printers Comparison

Specifications	HP LaserJet Managed Flow MFP E62565z	HP LaserJet Managed Flow MFP E62575z	HP LaserJet Managed Flow MFP E72525z Plus – Bundle Product 25 ppm
Functions	Print, Copy, Scan	Print, Copy, Scan	Print, Copy, Scan (fax and wireless optional)
Print speed black (ISO, letter)	Up to 65 ppm	Up to 75 ppm	Up to 25 ppm
Print speed black (ISO, A4)	Up to 61 ppm	Up to 71 ppm	Up to 25 ppm
Print speed footnote			
Print Speed Color (ISO)			
Print speed color (ISO)			
First page out black (A4, ready)	As fast as 5.4 sec	As fast as 5.4 sec	As fast as 8.9 sec
First page out black (letter, ready)	As fast as 5.3 sec	As fast as 5.3 sec	As fast as 9.0 sec
First page out color (A4, ready)			
First page out color (letter, ready)			
Duty cycle (monthly, letter)	Up to 450,000 pages	Up to 450,000 pages	Up to 300,000 pages
Duty cycle (monthly, A4)	Up to 450,000 pages	Up to 450,000 pages	Up to 300,000 pages
Recommended monthly page volume	5000 to 40,000	5000 to 40,000	Up to 50,000
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); Extended Keyboard	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
Display	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
HP ePrint capability	Yes	Yes	
Connectivity, standard	1 Hi-Speed Device USB 2.0; 2 Host USB (1 walk-up and 1 external accessible); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket	1 Hi-Speed Device USB 2.0; 2 Host USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Input capacity	Up to 650 sheets	Up to 650 sheets	Up to 520 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Scan resolution, optical	up to 600 dpi	Up to 600 dpi	Up to 600 x 600 dpi
Automatic document feeder capacity	Standard, 150 sheets	Standard, 150 sheets	Standard, 250 sheets
Copy speed (black, normal quality, A4)	Up to 61 cpm	Up to 71 cpm	Up to 25 cpm
Copy speed black (normal, letter)	Up to 65 cpm	Up to 75 cpm	Up to 25 cpm
Copy speed (color, normal quality, A4)			
Copy speed color (normal, letter)			
Fax transmission speed (letter)			3 sec per page
Fax Transmission Speed			33.6 kbps

Laser Multifunction Printers Comparison

Specifications	HP LaserJet Managed Flow MFP E72530z Plus – Bundle Product 30 ppm	HP LaserJet Managed Flow MFP E72535z Plus – Bundle Product 35 ppm	HP LaserJet Managed Flow MFP E82540z Plus – Bundle Product 40 ppm
Functions	Print, Copy, Scan (fax and wireless optional)	Print, Copy, Scan (fax and wireless optional)	Print, Copy, Scan (fax and wireless optional)
Print speed black (ISO, letter)	Up to 30 ppm	Up to 35 ppm	Up to 40 ppm
Print speed black (ISO, A4)	Up to 30 ppm	Up to 35 ppm	Up to 40 ppm
Print speed footnote			
Print Speed Color (ISO)			
Print speed color (ISO)			
First page out black (A4, ready)	As fast as 7.9 sec	As fast as 7.5 sec	As fast as 7.4 sec
First page out black (letter, ready)	As fast as 8.0 sec	As fast as 7.6 sec	As fast as 7.5 sec
First page out color (A4, ready)			
First page out color (letter, ready)			
Duty cycle (monthly, letter)	Up to 300,000 pages	Up to 300,000 pages	Up to 300,000 pages
Duty cycle (monthly, A4)	Up to 300,000 pages	Up to 300,000 pages	Up to 300,000 pages
Recommended monthly page volume	Up to 50,000	Up to 50,000	Up to 100,000
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard
Display	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
HP ePrint capability			
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Input capacity	Up to 520 sheets	Up to 520 sheets	Up to 520 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Scan resolution, optical	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Automatic document feeder capacity	Standard, 250 sheets	Standard, 250 sheets	Standard, 250 sheets
Copy speed (black, normal quality, A4)	Up to 30 cpm	Up to 35 cpm	Up to 40 cpm
Copy speed black (normal, letter)	Up to 30 cpm	Up to 35 cpm	Up to 40 cpm
Copy speed (color, normal quality, A4)			
Copy speed color (normal, letter)			
Fax transmission speed (letter)	3 sec per page	3 sec per page	3 sec per page
Fax Transmission Speed	33.6 kbps	33.6 kbps	33.6 kbps

Laser Multifunction Printers Comparison

Specifications	HP LaserJet Managed Flow MFP E82550z Plus – Bundle Product 50 ppm	HP LaserJet Managed Flow MFP E82560z Plus – Bundle Product 60 ppm	HP LaserJet Managed Flow MFP M527cm
Functions	Print, Copy, Scan (fax and wireless optional)	Print, Copy, Scan (fax and wireless optional)	Print, copy, scan, fax
Print speed black (ISO, letter)	Up to 50 ppm	Up to 60 ppm	Up to 45 ppm
Print speed black (ISO, A4)	Up to 50 ppm	Up to 60 ppm	Up to 43 ppm
Print speed footnote			
Print Speed Color (ISO)			
Print speed color (ISO)			
First page out black (A4, ready)	As fast as 6.8 sec	As fast as 6.3 sec	As fast as 5.7 sec ; As fast as 8.7 sec
First page out black (letter, ready)	As fast as 6.9 sec	As fast as 6.4 sec	As fast as 5.9 sec ; As fast as 11.3 sec (100 V)
First page out color (A4, ready)			
First page out color (letter, ready)			
Duty cycle (monthly, letter)	Up to 300,000 pages	Up to 300,000 pages	Up to 150,000 pages
Duty cycle (monthly, A4)	Up to 300,000 pages	Up to 300,000 pages	Up to 150,000 pages
Recommended monthly page volume	Up to 100,000	Up to 100,000	2000 to 15,000
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard	8.0-in (20.3 cm) color LCD with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); Integrated Keyboard
Display	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0" (20.3 cm) touchscreen, SVGA LCD (color graphics), smooth gesture enabled touchscreen
HP ePrint capability			Yes
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	1 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Fax
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Windows OS compatible with In-Box Driver; Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc.); Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.); Windows 7 all 32- & 64-bit editions; Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets); Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Windows OS compatible with Universal Print Driver (From http://www.HP.com); Windows XP SP3 32- & 64-bit editions (XP Home, XP Pro, etc.); Windows Vista all 32- & 64-bit editions (Home Basic, Premium, Professional, etc.); Windows 7 all 32- & 64-bit editions; Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets); Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from http://www.HP.com and Apple Store); OS X 10.8 Mountain Lion; OS X 10.9 Mavericks; OS X 10.10 Yosemite; Mobile OS (In-OS drivers); iOS, Android, Windows 8.1/10 RT; Linux OS (In-OS HPLIP, SUSE Linux (12.2, 12.3, 13.1); Fedora (17, 18, 19, 20); Linux Mint (13, 14, 15, 16, 17); Boss (3.0, 5.0); Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10); Debian (6.0.x, 7.x); Other OS; UNIX
Input capacity	Up to 520 sheets	Up to 520 sheets	Up to 650 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Scan resolution, optical	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 dpi
Automatic document feeder capacity	Standard, 250 sheets	Standard, 250 sheets	Standard, 100 sheets
Copy speed (black, normal quality, A4)	Up to 50 cpm	Up to 60 cpm	Up to 43 cpm
Copy speed black (normal, letter)	Up to 50 cpm	Up to 60 cpm	Up to 45 cpm
Copy speed (color, normal quality, A4)			
Copy speed color (normal, letter)			
Fax transmission speed (letter)	3 sec per page	3 sec per page	3 sec per page
Fax Transmission Speed	33.6 kbps	33.6 kbps	33.6 kbps

Laser Multifunction Printers Comparison

Specifications	HP LaserJet Managed MFP E62555dn	HP LaserJet Managed MFP E62565hs	HP LaserJet Managed MFP E72525dn Plus – Bundle Product 25 ppm
Functions	Print, Copy, Scan	Print, Copy, Scan	Print, Copy, Scan (fax and wireless optional)
Print speed black (ISO, letter)	Up to 55 ppm	Up to 65 ppm	Up to 25 ppm
Print speed black (ISO, A4)	Up to 52 ppm	Up to 61 ppm	Up to 25 ppm
Print speed footnote			
Print Speed Color (ISO)			
Print speed color (ISO)			
First page out black (A4, ready)	As fast as 5.4 sec	As fast as 5.4 sec	As fast as 8.9 sec
First page out black (letter, ready)	As fast as 5.3 sec	As fast as 5.3 sec	As fast as 9.0 sec
First page out color (A4, ready)			
First page out color (letter, ready)			
Duty cycle (monthly, letter)	Up to 450,000 pages	Up to 450,000 pages	Up to 300,000 pages
Duty cycle (monthly, A4)	Up to 450,000 pages	Up to 450,000 pages	Up to 300,000 pages
Recommended monthly page volume	5000 to 40,000	5000 to 40,000	Up to 50,000
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket
Display	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
HP ePrint capability	Yes	Yes	
Connectivity, standard	1 Hi-Speed Device USB 2.0; 2 Host USB (1 walk-up and 1 external accessible); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket	1 Hi-Speed Device USB 2.0; 2 Host USB (1 walk-up and 1 external accessible); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Input capacity	up to 650 sheets	Up to 650 sheets	Up to 520 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Scan resolution, optical	Up to 600 dpi	up to 600 dpi	Up to 600 x 600 dpi
Automatic document feeder capacity	Standard, 150 sheets	Standard, 150 sheets	Standard, 100 sheets
Copy speed (black, normal quality, A4)	Up to 52 cpm	Up to 61 cpm	Up to 25 cpm
Copy speed black (normal, letter)	Up to 55 cpm	Up to 65 cpm	Up to 25 cpm
Copy speed (color, normal quality, A4)			
Copy speed color (normal, letter)			
Fax transmission speed (letter)			3 sec per page
Fax Transmission Speed			33.6 kbps

Laser Multifunction Printers Comparison

Specifications	HP LaserJet Managed MFP E72530dn Plus – Bundle Product 30 ppm	HP LaserJet Managed MFP E72535dn Plus – Bundle Product 35 ppm	HP LaserJet Managed MFP E82540dn Plus – Bundle Product 40 ppm
Functions	Print, Copy, Scan (fax and wireless optional)	Print, Copy, Scan (fax and wireless optional)	Print, Copy, Scan (fax and wireless optional)
Print speed black (ISO, letter)	Up to 30 ppm	Up to 35 ppm	Up to 40 ppm
Print speed black (ISO, A4)	Up to 30 ppm	Up to 35 ppm	Up to 40 ppm
Print speed footnote			
Print Speed Color (ISO)			
Print speed color (ISO)			
First page out black (A4, ready)	As fast as 7.9 sec	As fast as 7.5 sec	As fast as 7.4 sec
First page out black (letter, ready)	As fast as 8.0 sec	As fast as 7.6 sec	As fast as 7.5 sec
First page out color (A4, ready)			
First page out color (letter, ready)			
Duty cycle (monthly, letter)	Up to 300,000 pages	Up to 300,000 pages	Up to 300,000 pages
Duty cycle (monthly, A4)	Up to 300,000 pages	Up to 300,000 pages	Up to 300,000 pages
Recommended monthly page volume	Up to 50,000	Up to 50,000	Up to 100,000
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket; Extended Keyboard	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket
Display	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)
HP ePrint capability			
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Input capacity	Up to 520 sheets	Up to 520 sheets	Up to 520 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Scan resolution, optical	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 x 600 dpi
Automatic document feeder capacity	Standard, 100 sheets	Standard, 100 sheets	Standard, 250 sheets
Copy speed (black, normal quality, A4)	Up to 30 cpm	Up to 35 cpm	Up to 40 cpm
Copy speed black (normal, letter)	Up to 30 cpm	Up to 35 cpm	Up to 40 cpm
Copy speed (color, normal quality, A4)			
Copy speed color (normal, letter)			
Fax transmission speed (letter)	3 sec per page	3 sec per page	3 sec per page
Fax Transmission Speed	33.6 kbps	33.6 kbps	33.6 kbps

Laser Multifunction Printers Comparison

Specifications	HP LaserJet Managed MFP E82550dn Plus – Bundle Product 50 ppm	HP LaserJet Managed MFP E82560dn Plus – Bundle Product 60 ppm	HP LaserJet Managed MFP M527dnm
Functions	Print, Copy, Scan (fax and wireless optional)	Print, Copy, Scan (fax and wireless optional)	Print, copy, scan
Print speed black (ISO, letter)	Up to 50 ppm	Up to 60 ppm	Up to 45 ppm
Print speed black (ISO, A4)	Up to 50 ppm	Up to 60 ppm	Up to 43 ppm
Print speed footnote			
Print Speed Color (ISO)			
Print speed color (ISO)			
First page out black (A4, ready)	As fast as 6.8 sec	As fast as 6.3 sec	As fast as 5.7 sec ; As fast as 8.7 sec
First page out black (letter, ready)	As fast as 6.9 sec	As fast as 6.4 sec	
First page out color (A4, ready)			
First page out color (letter, ready)			
Duty cycle (monthly, letter)	Up to 300,000 pages	Up to 300,000 pages	Up to 150,000 pages
Duty cycle (monthly, A4)	Up to 300,000 pages	Up to 300,000 pages	Up to 150,000 pages
Recommended monthly page volume	Up to 100,000	Up to 100,000	2000 to 15,000
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket	8.0-in (20.3 cm) color LCD with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)
Display	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)	8.0" (20.3 cm) touchscreen, SVGA LCD (color graphics), smooth gesture enabled touchscreen
HP ePrint capability			Yes
Connectivity, standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax modem port	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	Windows OS compatible with In-Box Driver; Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc.); Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.); Windows 7 all 32- & 64-bit editions; Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets); Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Windows OS compatible with Universal Print Driver (From http://www.HP.com); Windows XP SP3 32- & 64-bit editions (XP Home, XP Pro, etc.); Windows Vista all 32- & 64-bit editions (Home Basic, Premium, Professional, etc.); Windows 7 all 32- & 64-bit editions; Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets); Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from http://www.HP.com and Apple Store); OS X 10.8 Mountain Lion; OS X 10.9 Mavericks; OS X 10.10 Yosemite; Mobile OS (In-OS drivers); iOS, Android, Windows 8/8.1/10 RT; Linux OS (In-OS HPLIP, SUSE Linux (12.2, 12.3, 13.1); Fedora (17, 18, 19, 20); Linux Mint (13, 14, 15, 16, 17); Boss (3.0, 5.0); Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10); Debian (6.0.x, 7.x); Other OS; UNIX
Input capacity	Up to 520 sheets	Up to 520 sheets	Up to 650 sheets
Duplex printing	Automatic (standard)	Automatic (standard)	Automatic (standard)
Scan resolution, optical	Up to 600 x 600 dpi	Up to 600 x 600 dpi	Up to 600 dpi
Automatic document feeder capacity	Standard, 250 sheets	Standard, 250 sheets	Standard, 100 sheets
Copy speed (black, normal quality, A4)	Up to 50 cpm	Up to 60 cpm	Up to 43 cpm
Copy speed black (normal, letter)	Up to 50 cpm	Up to 60 cpm	Up to 45 cpm
Copy speed (color, normal quality, A4)			
Copy speed color (normal, letter)			
Fax transmission speed (letter)	3 sec per page	3 sec per page	
Fax Transmission Speed	33.6 kbps	33.6 kbps	