



# 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.



Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future.  
<http://www.hp.com/go/learnaboutsupplies>

**Print Speed:**First Page Out: As fast as 7.1 sec black; As fast as 7.1 sec color  
**Scan Resolution:**Hardware: Up to 600 ppi; Optical: Up to 600 ppi  
**Copy Resolution:**Black (text and graphics): Up to 600 x 600 dpi; Up to 600 x 600 dpi; Color (text and graphics): Up to 600 x 600 dpi  
**Standard Connectivity:**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  
**Paper Handling:**100-sheet multipurpose tray, 550-sheet input tray; 500-sheet output bin  
**Duty Cycle:**Monthly, letter: Up to 200,000 pages

#### Affordable color printing for every office

- Depend on lasting value. Get the results you expect for a game-changing low cost per color page.
- Print more pages and replace cartridges less often with optional high-yield cartridges.<sup>2</sup>
- Print even faster—and save even more per page—by setting this printer to General Office mode.<sup>3</sup>
- Help keep energy costs down with the most efficient MFP in its class.<sup>4</sup>

#### Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide Managed MFP designed for the least maintenance in its class.<sup>5</sup>
- Print speeds up to 50% faster than competitors—as fast as 80 ppm in color and black-and-white.<sup>6</sup>
- Organize, staple, collate, and hole-punch with advanced external finishing that helps you ramp up production.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.<sup>7</sup>

#### The world's most secure printing<sup>1</sup>

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Protect information on the MFP and in transit over the network, and store data on the encrypted hard disk.<sup>8</sup>
- Monitor activity to detect and stop attacks, then automatically reboot with run-time intrusion detection.
- Whitelisting checks firmware during startup to help ensure it's authentic, good code—digitally signed by HP.

#### Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 200 pages into the automatic document feeder for fast, unattended scanning.



**RPG Squarefoot Solutions**  
**(800) 521-6319**  
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**[info@rpg.com](mailto:info@rpg.com)**

# HP PageWide Managed Color Flow MFP E77660z+ - Bundle Product 60 ppm Specifications Table

<b>Functions / Multitasking Supported</b>	Print, copy, scan, fax (optional) / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 60 ppm black; Up to 60 ppm (color) <sup>5</sup> ; <b>First Page Out:</b> As fast as 7.1 sec black; As fast as 7.1 sec color <sup>6</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte); <b>Color (best):</b> Up to 2400 x 1200 optimized dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)
<b>Print Technology</b>	HP PageWide Technology
<b>Print Resolution Technologies</b>	HP PageWide Technology up to 1200 x 1200 optimized dpi from 600 x 600 input dpi
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Borderless Printing</b>	No
<b>Standard Print languages</b>	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation; PDF 1.7
<b>Printer Smart Software Features</b>	HP SureStart; Run-time intrusion detector; Whitelisting; HP Trusted Platform Module; HP JetAdvantage Security Manager; HP Web Jetadmin; Open Extensibility Platform, FutureSmart Firmware, HP ePrint, Apple AirPrint™, HP Auto-On/Auto-Off technology, HP Color Access Control, HP EasyColor, Front-facing USB printing, store print jobs, HP EasyColor, print preview, automatic two-sided printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, booklet printing, cover pages, tray selection, scaling, Portrait/Landscape orientation, High Quality Grayscale and Black Ink Only, General Office/Professional/Presentation dpi print modes, Optional: HP and third party extensibility solutions; wireless
<b>Printer Management</b>	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver
<b>Scan Type / Technology</b>	Flatbed, ADF / Charge Coupled Device (CCD) & Contact Image Sensor (CIS)
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 ppi; <b>Optical:</b> Up to 600 ppi
<b>Scan File Format</b>	Digital Send: PDF, JPEG, TIFF, MTIF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready Files (.prn, .pcl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (DXP) applications
<b>Scan Size</b>	<b>ADF:</b> 11.7 x 17 in; Up to 11.7 x 34 in when "long scan size" selected; <b>Maximum:</b> 2.7 x 5.8 in; <b>Minimum:</b> Flatbed: 297 x 432 mm
<b>Scanner Advanced Features</b>	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR); Auto crop to page; Auto-tone
<b>Bit depth / Grayscale levels</b>	24-bit / 256
<b>Digital Sending Standard Features</b>	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 9999 copies
<b>Copier Resize</b>	25 to 400%
<b>Copier Settings</b>	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, ID Scan, job build, edge-to-edge, job storage
<b>Fax Speed</b>	<b>Up to:</b> 33.6 kbps; <b>Letter:</b> 3 sec per page <sup>4</sup>
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Color (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 204 x 98 dpi
<b>Fax Smart Software Features</b>	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule
<b>Fax Features</b>	<b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Retrieving:</b> Yes; <b>Fax Delayed Sending:</b> No; <b>Distinctive Ring Detection Supported:</b> No; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> No; <b>Fax Polling Supported:</b> Yes (poll to receive only); <b>Fax Telephone Mode Supported:</b> No; <b>Junk Barrier Supported:</b> Yes; <b>Maximum Speed Dialing Numbers:</b> Up to 1000 numbers (teach with 210 destinations); <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> No
<b>Standard Connectivity</b>	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000 network; 1 Hardware Integration Pocket
<b>Network Capabilities</b>	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)
<b>Wireless Capability</b>	Optional, enabled with purchase of a hardware accessory
<b>Mobile Printing Capability</b>	HP ePrint, Apple AirPrint™, Google Cloud Print
<b>Memory</b>	<b>Standard:</b> 5632 MB; <b>Maximum:</b> 5632 MB
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> 320 GB High-Performance Secure Hard Disk (AES 256 hardware encryption or greater; Secure erase capabilities: Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk)
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 200,000 pages
<b>Recommended Monthly Page Volume</b>	2500 to 50,000 pages
<b>Media Types Supported</b>	Paper (Plain, Inkjet, Inkjet Brochure/Glossy), Photo Paper, Envelopes, Labels, Cards
<b>Media Weight Supported</b>	Tray 1: 16 to 58 lb, 80 lb Photo Paper Only; Trays 2 to 5: 16 to 58 lb; HCl Trays 3 & 4: 16 to 58 lb
<b>Media Sizes Supported</b>	Letter, Letter-R, Legal, Executive, Statement, Oficio (8.5x13), 11x17, 12x18, 4x6, 5x7, 5x8, Envelope #10, Envelope B5, Envelope C5, Envelope C6, Envelope DL, Envelope Chou #3
<b>Media Sizes Custom</b>	Tray 1: 3.9 x 5 to 12 x 18; Tray 2-5: 8.27 x 5.83 to 11.70 x 17 in HCl Trays 3 & 4: A4 & Letter Only;
<b>Paper Handling</b>	100-sheet multipurpose tray, 500-sheet input tray, 500-sheet output bin; <b>Duplex Options:</b> Automatic (standard) Manual (driver support provided); <b>Auto Document Feeder Capacity:</b> Standard, 200 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2 (additional required purchase of the HP PageWide 550-sheet Paper Tray and Stand W1B50A, HP PageWide 3x550-sheet Paper Tray and Stand W1B51A or HP PageWide 4000-sheet HCl Paper Tray and Stand W1B52A); <b>Input Capacities:</b> Up to 650 sheets (MP; up to 100 sheets, Tray 2; up to 550 sheets); <b>Output Capacities:</b> Up to 3000 sheets (80 g/m <sup>2</sup> ); Up to 50 envelopes

<b>What's in the box</b>	<b>Z5G78A</b> HP PageWide Managed Color Flow MFP E77660z+; HP Setup Ink Cartridges (yield after setup ~8000 pages CMY and 10000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord
<b>Replacement Cartridges</b>	HP 990XC Black Contract PageWide Crg (US) (22,000) MK28XC; HP 990XC Cyan Contract PageWide Crg (US) (16,000) MK05XC; HP 990XC Magenta Contract PageWide Crg (US) (16,000) MK09XC; HP 990XC Yellow Contract PageWide Crg (US) (16,000) MK24XC; HP 991XC Black Contract PageWide Crg (EU) (22,000) MK29XC; HP 991XC Cyan Contract PageWide Crg (EU) (16,000) MK06XC; HP 991XC Magenta Contract PageWide Crg (EU) (16,000) MK10XC; HP 991XC Yellow Contract PageWide Crg (EU) (16,000) MK25XC; HP 992XC Black Contract PageWide Crg (LAR) (22,000) MK30XC; HP 992XC Cyan Contract PageWide Crg (LAR) (16,000) MK11XC; HP 992XC Magenta Contract PageWide Crg (LAR) (16,000) MK26XC; HP 992XC Yellow Contract PageWide Crg (LAR) (16,000) MK30XC; HP 993XC Black Contract PageWide Crg (AP) (22,000) MK31XC; HP 993XC Cyan Contract PageWide Crg (AP) (16,000) MK08XC; HP 993XC Magenta Contract PageWide Crg (AP) (16,000) MK12XC; HP 993XC Yellow Contract PageWide Crg (AP) (16,000) MK27XC <sup>3</sup>
<b>Product Dimensions</b>	<b>W x D x H:</b> 49.0 x 27.3 x 48.1 in; <b>Maximum:</b> 98.2 x 46.3 x 60.4 in (with all doors and trays open, and document feeder lifted)
<b>Product Weight</b>	376.3 lb
<b>Warranty Features</b>	90 days parts only warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
<b>Control Panel</b>	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
<b>Display Description</b>	8.0 in (20.3 cm) touchscreen, XVA Color Graphic Display (CGD)
<b>Software Included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.hp.com or OS App Source for printer software), Online user manuals
<b>Fonts and Typefaces</b>	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP Postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); additional font solutions available via third-party flash memory cards; HP LaserJet and IPDS Emulation available at <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>
<b>Compatible Operating Systems</b>	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, 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 32-bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 (for Windows Server 2008 R2 Terminal Services, 32- and 64-bit), Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenApp 7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Citrix XenDesktop 5.6/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit), Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit), Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/print">www.novell.com/print</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11 SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/iprint">www.novell.com/iprint</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2016/ 64-bit Standard/Essential/Datacenter (+ Cluster & Terminal Services)
<b>Minimum System Requirements</b>	<b>PC:</b> 2GB available hard disk space, OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> Input voltage: 100 to 240 VAC, 50/60 Hz; <b>Power Consumption:</b> 660 watts (print/copy), 42 watts (ready), 1.6 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off)
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°C; <b>Recommended Operating Temperature:</b> 63 to 77°C; <b>Storage Temperature Range:</b> Before initial setup (Non-Purged): -40 to 140°F; After initial setup (Purged): 32 to 140°F; If stored below the lowest specified operating temperature, unit must slowly warm up to an approved operating temperature (HP recommends waiting 24 hours at approved operating temperature prior to using the printer). <b>Non-Operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Humidity Operating Range:</b> 30 to 70% RH
<b>Security Management</b>	Identity Management: Kerberos authentication, LDAP authentication, 1000 user PIN codes, optional HP and third-party advanced authentication solutions (e.g., badge readers); Network: IPsec/firewall with Certificate, Pre-Shared Key, and Kerberos authentication, Supports WIA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP, EAP-TLS), SNMPv3, HTTPS, Certificates, Access Control List, HP Trusted Platform Module (TPM) comes standard; Data: Storage Encryption, Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft), Secure Erase, SSL/TLS (HTTSP), Encrypted Credentials; Device: Security lock slot, USB port disablement, Hardware Integration Pocket for security solutions, 18 Intrusion Detection with Red Balloon Security Technology (Constant in-device monitoring for attacks), HP Sure Start Secure Boot (BIOS integrity checking with self-healing capability), Whitelisting (loads only known good code (DLLs, EXEs, etc.); Security Management: Compatible with HP JetAdvantage Security Manager; 21 Device Security Syslog Messages processed and accessible in ArcSight and Splunk; SIEMs; For more security settings go to <a href="http://h10032.www1.hp.com/ctg/Manual/c03602120">http://h10032.www1.hp.com/ctg/Manual/c03602120</a>
<b>Accessories</b>	HP PageWide Managed 550-sheet Paper Tray P1V16A, HP PageWide Managed 550-sheet Paper Tray and Stand P1V17A, HP PageWide Managed 3x550-sheet Paper Tray and Stand P1V18A, HP PageWide Managed 4000-sheet HCl Paper Tray and Stand P1V19A, HP PageWide 550-sheet Paper Tray A7W999A, HP PageWide 550-sheet Paper Tray and Stand W1B50A, HP PageWide 3x550-sheet Paper Tray and Stand W1B51A, HP PageWide 4000-sheet HCl Paper Tray and Stand W1B52A, HP High-Performance Secure Hard Disk B5L29A, HP Internal USB Ports B5L28A, HP Foreign Interface Harness B5L31A, HP 1 GB x32 144-pin (800 MHz) DDR3 SODIMM E5K46A, HP Jetdirect 2900w Print Server J8031A, HP Jetdirect 3000w NFC/Wireless Accessory J8030A, HP LaserJet MFP Analog Fax Accessory 500 CC487A, HP LaserJet MFP Analog Fax Accessory 500 CC487A, HP PageWide Stapler/Stacker Finisher Z4L04A, HP LaserJet Hole Punch 2/3 Accessory (for Z4L04A) Y1G10A, HP LaserJet Hole Punch 2/4 Accessory (for Z4L04A) Y1G11A, HP LaserJet Hole Punch Swedish Accessory (for Z4L04A) Y1G12A, HP LaserJet Stapler/Stacker Finisher Staples (for Z4L04A) Y1G15A, HP 110V Heated Pressure Roller 3MM39A, HP 220V Heated Pressure Roller 3MZ76A, HP Accessibility Assistant 2MU47A
<b>HP Service and Support Options</b>	USJT2E - HP Installation Service with Network Workgroup Printer; USNP3E - HP 3 year NBD Service w/Defective Media Retention for Color LaserJet Enterprise MFP M68x; USNP4E - HP 4 year NBD Service w/Defective Media Retention for Color LaserJet Enterprise MFP M68x; USNP5E - HP 5 year NBD Service w/Defective Media Retention for Color LaserJet Enterprise MFP M68x

Learn more at [hp.com](http://hp.com)

<sup>1</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115V device. <sup>2</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. <sup>3</sup> Average color composite (C/M/Y) and black declared yields based on ISO/IEC 24711 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP Fax device can transmit at 3 sec/page for V.34 and 6 sec/page for V.17. <sup>5</sup> ISO speeds measured using ISO/IEC 24734. Excludes first page or first set of ISO test pages. For details see <http://www.hp.com/go/printerclaims>. <sup>6</sup> Exact speed varies depending on the system configuration, software application, driver and document complexity.

