HP PageWide Managed Color MFP E77650dn-E77660dn Printer series

HP PageWide delivers a breakthrough low color cost, maximum uptime, and the strongest security.[1]

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

HP PageWide Managed Color MFP E77650dn – Bundle Product 50 ppm

HP PageWide Managed Color MFP E77660dn – Bundle Product 60 ppm

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.[2]
- Print even faster—and save even more per page—by setting this printer to General Office mode.[3]
- Help keep energy costs down with the most efficient printer in its class.[4]

Minimal interruptions. Maximum uptime.

- Minimize interruptions with an HP PageWide Managed MFP designed for the least maintenance in its class.[5]
- Print speeds up to 50% faster than competitors—as fast as 80 ppm in color and black-and-white.[6]
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office 365 and SharePoint, plus email, USB, and network folders.[7]

The world's most secure printing[1]

- Each printer in your fleet checks its operating code and repairs itself from attacks.
- Your printer's outgoing network connections are inspected to stop suspicious requests and thwart malware.
- Memory activity is monitored to continually detect and stop attacks.
- Firmware is automatically checked during startup to determine if it's authentic 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.

[1] Based on HP review of 2018 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] High-yield cartridges are not included in printer purchase; purchase separately. Comparison is based on ISO 24711 cartridge yields for HP 982X series High-Yield Original PageWide Cartridges compared with HP 982A series Original PageWide Cartridges. Learn more at http://www.hp.com/go/learnaboutsupplies
[3] Comparison based on printing in Professional Mode..
[4] Energy claim based on TEC data reported on energystar.gov as of February 2018. Data normalized to determine energy efficiency of in-class color laser printers and MFPs with print speeds between 20-80 ppm as of February 2018. Subject to device settings. Actual results may vary.
[5] Fewer service parts claim based on BLI analysis of leading in-class A3 MFPs as of August 2016; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% color ratio). Learn more at http://www.hp.com/go/pagewideclaims
[6] Comparison of HP PageWide A3 devices with the majority of in-class color ink/laser MFPs ($3,000-$10,299 and €2,820-€10,199), and color ink/laser single function printers ($1,500-$4,299 and €1,410-€4,099) as of April 2018 excluding other HP PageWide products; competitive set based on market share data as reported by IDC as of Q4 2017, MSRP data provided by gap intelligence and/or Buyers Lab. HP PageWide speeds based on General Office mode and exclude first page. Learn more at http://www.hp.com/go/printerspeeds
[7] Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see http://
[8] www.hpconnected.com Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

Product walkaround

HP PageWide Managed Color MFP E77660dn

1. 8.0 inch (20.3 cm) pivoting color touchscreen
2. Hardware Integration Pocket[1]
3. Easy-access USB printing port
4. Retractable keyboard[2]
5. Front door access to cartridges
6. 100-sheet multipurpose tray 1 supports media up to 305 x 457 mm (12 x 18 inches)
7. Automatic two-sided printing
8. 550-sheet tray 2 supports media up to 297 x 432 mm (11.7 x 17 inches)[3]
9. 200-sheet ADF with single-pass, two-sided scanning with HP EveryPage[4] supports media up to 297 x 432 mm (11.7 x 17 inches)
10. Flatbed scanner handles sheets up to 297 x 432 mm (11.7 x 17 inches)
11. 350-sheet inner finisher with stapler[5]
12. 500-sheet output bin
13. Ethernet port, 2 Hi-Speed USB 2.0 Host ports, Hi-Speed USB 2.0 Device port

Series at a glance

Model	HP PageWide Managed Color MFP E77650dn – Bundle Product 50 ppm	HP PageWide Managed Color MFP E77660dn – Bundle Product 60 ppm
Product number	J7Z13A	Z5G77A
Functions	Print, scan, copy	
Print speeds, black and color, letter and A4[6]	Up to 50/70 pages per minute (ppm), Professional/General Office (GO) mode	
300–sheet inner finisher with stapler[5]	20.3 cm (8.0 inch) pivoting color touchscreen	
Retractable keyboard[2]	100-sheet multipurpose tray 1, 550-sheet tray 2	
HP EveryPage with ultrasonic detection, embedded OCR[4]	550-sheet Paper Tray, 550 sheet Paper Tray and Cabinet, 3 x 550-sheet Paper Tray and Stand, 4,000-sheet HCI Paper Tray and Stand	
Automatic page orientation, cropping, and tone adjustment	Up to 650/4,650 sheets	
Control panel display	Up to 500 sheets	
Paper input trays (standard)	Paper input trays (standard)	
Optional paper handling accessories[3]	Optional paper handling accessories[3]	
Input capacity (standard/maximum[7])	Input capacity (standard/maximum[7])	
Output capacity	Output capacity	

[1] Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.
[2] The retractable keyboard is available with HP PageWide Managed Color Flow MFP E77660z and Color Flow MFP E77660zs models only.
[3] The HP PageWide Managed Color MFP E77660 series comes standard with a 100-sheet multipurpose tray that supports up to 12 x 18 inches (305 x 457 mm) and one 550 sheet tray that supports up to 11.7 x 17 inches (297 x 432 mm). All models can add up to one of the following optional accessories: 550-sheet paper tray, 550 sheet paper tray and cabinet, 3x550-sheet paper tray and stand, or 4,000 sheet HCI paper tray and stand. The 550-sheet trays support up to 11.7 x 17 inches (297 x 432 mm). The optional HCI tray supports up to letter (A4).
[4] HP EveryPage, ultrasonic detection, and embedded OCR are available with HP PageWide Managed Color Flow MFP E77660z and Color Flow MFP E77660zs models only.
[5] Measured using ISO/IEC 24734, excludes first set of test documents. For more information see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[6] The 300-sheet inner finisher with stapler is available with the HP PageWide Managed Color Flow MFP E77660zs model only.
[7] Purchase of optional paper trays required to reach maximum input capacity.

HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

For carepack availability visit: hp.com/go/cpc:

Top features

Color printing is within every business' budget with HP PageWide Technology. Print professional-quality color for a breakthrough low cost—results you expect from HP for an exceptional value you can rely on.

Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP PageWide device designed for maximum uptime—so you can count on reliable results day in and day out.

HP printers have the industry's strongest security[1] because they're always on guard, continually detecting and stopping threats while adapting to new ones. And only HP printers automatically self-heal from attacks, so IT doesn't need to intervene.

Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs super-fast—up to 240 ipm[8]—and avoid extra steps with a Flow MFP designed for maximum productivity.

Accessories

2EH31A	HP MFP Analog Fax Accessory 700
2MU47A	HP Accessibility Assistant
2NR12A	HP Removable Hard Drive Enclosure
2TD64A	HP Accessibility Kit
3JN69A	HP Jetdirect 3100w BLE/NFC/Wireless Accessory
5EL03A	HP TAA Version Secure Hard Disk Drive
A7W99A	HP MFP Analog Fax Accessory 701
B5L28A	HP PageWide 550-sheet Paper Tray
B5L29A	HP Internal USB Ports
B5L31A	HP High-Performance Secure Hard Disk
CC487A	HP Foreign Interface Harness
E5K48A	HP LaserJet MFP Analog Fax Accessory 500
J8030A	HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM
J8031A	HP Jetdirect 3000w NFC/Wireless Accessory
J8J95A	HP Jetdirect 2900nw Print Server
P1V16A	HP 300 ADF Roller Replacement Kit
P1V17A	HP PageWide Managed 550-sheet Paper Tray
P1V18A	HP PageWide Managed 550-sheet Paper Tray and Cabinet
P1V19A	HP PageWide Managed 3x550 sheet Paper Tray and Stand
W1B50A	HP PageWide Managed 4000 sheet High-capacity Paper Tray and Stand
W1B51A	HP PageWide 550-sheet Paper Tray Stand
W1B52A	HP PageWide 3x550-sheet Paper Tray Stand
W1B43A	HP PageWide Printhead Wiper Kit
W1B44A	HP PageWide Service Fluid Container
W1B45A	HP PageWide Roller Kit

Supplies

M0K30XC	HP 992XC Black Contract PageWide Crtg (22,000)
M0K07XC	HP 992XC Cyan Contract PageWide Crtg (16,000)
M0K11XC	HP 992XC Magenta Contract PageWide Crtg (16,000)
M0K26XC	HP 992XC Yellow Contract PageWide Crtg (16,000)

Services

U9RL2E	HP 3 year Next Business Day w/Disk Media Retention PgWd Color 776xx Managed Service
U9RL3E	HP 4 year Next Business Day w/Disk Media Retention PgWd Color 776xx Managed Service
U9RL4E	HP 5 year Next Business Day w/Disk Media Retention PgWd Color 776xx Managed Service

Solutions

HP Web Jetadmin: hp.com/go/wja

HP Universal Print Driver: hp.com/go/upd

HP Imaging and Printing Security Center: hp.com/go/ipsc

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[2] High-yield cartridges are not included in printer purchase; purchase separately. Comparison is based on ISO 24711 cartridge yields for HP 982X series High-Yield Original PageWide Cartridges compared with HP 982A series Original PageWide Cartridges. Learn more at http://www.hp.com/go/learnaboutsupplies
[3] Comparison based on printing in Professional Mode..
[4] Energy claim based on TEC data reported on energystar.gov as of February 2018. Data normalized to determine energy efficiency of in-class color laser printers and MFPs with print speeds between 20-80 ppm as of February 2018. Subject to device settings. Actual results may vary.
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[7] Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see http://www.hpconnected.com
[8] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

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Model	HP PageWide Managed Color MFP E77650dn – Bundle Product 50 ppm	HP PageWide Managed Color MFP E77660dn – Bundle Product 60 ppm
Product number	J7Z13A	Z5G77A
AIO functions	Print, copy, scan, fax (optional); **AIO multitasking supported:** Yes	

Print

Print speed[5][6]	**A4:** Up to 50 ppm Black; Up to 50 ppm Color; **2-sided:** Up to 35 ppm Black; Up to 35 ppm Color; **First page out:** As fast as 7.1 sec Black; As fast as 7.1 sec Color	**A4:** Up to 60 ppm Black; Up to 60 ppm Color; **2-sided:** Up to 40 ppm Black; Up to 40 ppm Color; **First page out:** As fast as 7.1 sec Black; As fast as 7.1 sec Color
Print resolution	**Black (best)** Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi (on Unspecified, Plain, HP Premium Presentation Matte, and HP Brochure Matte) **Color (best):** Up to 2400 x 1200 optimized dpi from 600 x 600 input dpi (on HP Advanced Photo Papers)	
Print technology	HP PageWide Technology; **Print resolution technology:** HP PageWide Technology up to 1200 x 1200 optimized dpi from 600 x 600 input dpi	
Print cartridges number	4 (1 each black, cyan, magenta, yellow)	
Standard print languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation; PDF 1.7	
Printer smart software features	HP SureStart; Run-time Intrusion detection; 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	
Printer management	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	

Scan

Scan type / Technology	**Type:** Flatbed, ADF; **Technology:** Charge Coupled Device (CCD) & Contact Image Sensor (CIS)	
Scan resolution	**Hardware:** Up to 600 ppi; **Optical:** Up to 600 ppi	
Scan file format	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A	
Scan Size	**ADF:** 297 x 432 mm; Up to 297 x 864 mm when "long scan size" selected Maximum; 68 x 148 mm Minimum; **Flatbed:** 11.7 x 17 in	
Scan speed	Up to 90 ipm simplex and up to 180 ipm duplex **Duplex:** Up to 90 ipm simplex and up to 180 ipm duplex	
Scanner advanced features	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	
Bit depth / Grayscale levels	24-bit / 256	
Digital sending standard features	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	

Copy

Copy speed	**A4/Letter:** Up to 50 cpm black/color; **A4/Letter:** Up to 50 cpm black/color (General Office mode); **First Copy Out:** As fast as 9.0 sec black/color	**A4/Letter:** Up to 60 cpm black/color; **A4/Letter:** Up to 60 cpm black/color (General Office mode); **First Copy Out:** As fast as 7.9 sec black/color
Copy resolution	**Black (text and graphics):** Up to 600 x 600 dpi; **Color (text and graphics):** Up to 600 x 600 dpi	
Maximum Number of Copies	Up to 9999 copies	
Copier resize	25 to 400%	
Copier settings	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	

Fax

Fax speed[4]	3 sec per page **Up to:** 33.6 kbps	
Fax resolution	**Black (best):** Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); **Color (best):** Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); **Black (standard):** 204 x 98 dpi	
Fax smart software features	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule	
Fax Features	**Auto fax reduction supported:** Yes; **Auto-redialing:** Yes; **Fax delayed sending:** No; **Distinctive ring detection supported:** No; **Fax forwarding supported:** Yes; **Fax phone TAM interface supported:** No; **Fax polling supported:** Yes (poll to receive only); **Fax telephone mode supported:** No; **Junk barrier supported:** Yes; **Maximum speed dialing numbers:** Up to 1000 numbers (each with 210 destinations); **PC interface supported:** Yes; **Remote retrieval capability supported:** No; **Telephone handset supported:** No	

Connectivity

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	
Network capabilities	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)	
Wireless capability	Optional, enabled with purchase of a hardware accessory	
Mobile printing capability	HP ePrint, Apple AirPrint™, Google Cloud Print	
Memory	**Standard:** 3584 MB; **Maximum:** 3584 MB	
Processor speed	1.2 GHz / **Hard disk:** 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)	
Duty cycle (monthly)	**A4:** Up to 200,000 pages; **Recommended monthly page volume:** 2500 to 50,000	**A4:** Up to 250,000 pages; **Recommended monthly page volume:** 2500 to 50,000

Paper handling

Input	100-sheet multipurpose tray, 550-sheet input tray; Up to 650 sheets (MP: up to 100 sheets, Tray 2: up to 550 sheets) Standard; Up to 10 envelopes; Up to 240 cards; Up to 1,840 sheets Labels; Up to 650 sheets Legal	
Output	500-sheet output bin; Up to 500 sheets Standard; Up to 50 envelopes; Up to 200 Cards; Up to 200 labels Labels	
Duplex Options	Automatic (standard) Manual (driver support provided)	
Auto document feeder capacity	Standard, 200 sheets	
Envelope feeder	No	
Standard paper trays	2	
Media types	Plain paper, HP EcoFFICIENT, HP Premium Presentation Matte 120g, HP Brochure Matte 180g, HP Brochure Glossy, HP Advanced Photo Papers, Light 60-74g, Intermediate 85-95g, Mid-Weight 96-110g, Heavy 111-130g, Extra Heavy 131-175g, Cardstock 176-220g, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Prepunched, Colored, Bond, Recycled, Rough	
Media weight	Tray 1: 60-220 g/m², 300 g/m² Photo Paper Only Trays 2-5: 60-220 g/m² HCI trays 3 & 4: 60-220 g/m²	
Media sizes	A3; A4; A4-R; A5; A5-R; A6; RA3; RA4; SRA4; B4; B5 (JIS); 8K (270x390mm); 16K (195x270mm); 8k (260x368mm); 16k (184x260mm); 8k (273x394mm); 16k (197x273mm); Oficio 216x340mm;	
Media Sizes Custom	Tray 1: 99.1 x 127 to 304.8 x 457.2 mm; Tray 2-5: 210.1 x 148.1 to 297.2 x 431.8 mm; HCI Trays 3 & 4: A4 & Letter Only	
Dimensions (w x d x h)	813 x 616 x 680 mm; **Maximum:** 896 x 718 x 680 mm	
Weight	69 kg	
What's in the box	HP PageWide Managed Color MFP E77650dn; HP Setup Ink Cartridges (yield after setup ~8000 pages CMY and 10000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord	HP PageWide Managed Color MFP E77660dn; HP Setup Ink Cartridges (yield after setup ~8000 pages CMY and 10000 K); Installation guide, Support flyer; documentation on CD-ROM; Power cord
Warranty features	90 day parts only warranty.	
Energy efficiency compliance	ENERGY STAR® qualified; EPEAT® Gold	ENERGY STAR® qualified; EPEAT® Gold (U.S.); EPEAT® Silver
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	
Display	8.0 in (20.3 cm) touchscreen, XVA Color Graphic Display (CGD)	
Software included	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	
Fonts and typefaces	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 Fonts and IPDS Emulation available at http://www.hp.com/go/laserjetfonts	
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.)	
Compatible network operating systems	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 [for Windows Server 2008 R2 Terminal Services, 32- and 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 www.novell.com/iprint, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers www.novell.com/iprint), Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ 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)	
Minimum system requirements	**PC:** 2GB available hard disk space, OS hardware requirements see microsoft.com; **Mac:** 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info	
Power[1][2]	**Power supply type:** Internal (Built-in) power supply; **Power supply required:** Input voltage: 100 to 240 VAC, 50/60 Hz; **Power consumption[1]:** 660 watts (max. print/copy), 137 watts (print/copy), 43 watts (ready), 1.56 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off); **Typical electricity consumption (TEC) number:** BA: 1.95 kWh/Week; ES: 2.03 kWh/Week; **Best technical electricity consumption (TEC):** 1.42 kWh/Week	**Power supply type:** Internal (Built-in) power supply; **Power supply required:** Input voltage: 100 to 240 VAC, 50/60 Hz; **Power consumption[1]:** 660 watts (max. print/copy), 137 watts (print/copy), 43 watts (ready), 1.56 watts (sleep), 0.2 watts (auto-off), 0.2 watts (off); **Typical electricity consumption (TEC) number:** BA: 1.97 kWh/Week; ES: 2.03 kWh/Week; **Best technical electricity consumption (TEC):** 1.42 kWh/Week
Acoustics	**Acoustic power emissions:** 6.7 B(A)	**Acoustic power emissions:** 6.8 B(A)
Operating environment	**Operating temperature range:** 59 to 86ºF ; **Recommended operating temperature:** 15 to 30ºC ; **Storage temperature range:** Before initial setup (Non-Purged): -40 to 60ºC; After initial setup (Purged): 0 to 60ºC. 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). ; **Operating humidity range:** 10 to 80% RH ; **Recommended operating humidity range:** 30 to 70% RH	
Security management	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 WJA-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 (HTTPS), 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 http://h10032.www1.hp.com/ctg/Manual/c03602120	

[1] 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. Power Consumption and Energy Star TEC values typically based on measurement of 115V device.

[2] Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.

[3] 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.

[4] 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

[5] 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

[6] Exact speed varies depending on the system configuration, software application, driver and document complexity.

To learn more, visit hp.com