HP Color LaserJet Enterprise M653 series



This HP Color LaserJet with JetIntelligence merges performance, energy efficiency, and security.¹

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



HP Color LaserJet Enterprise M653dn



HP Color LaserJet Enterprise M653x



HP Color LaserJet Enterprise M653dh

The world's most secure printing¹

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help prevent potential attacks and take immediate action with instant notification of security issues.
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.
- Give workgroups what they need to succeed. Choose and deploy over 175 HP and thirdparty security features.

High speed performance meets energy efficiency

- Speed through tasks and save paper. Print two-sided documents at up to 60 images per
- This printer wakes up fast and prints your first page faster—in as quickly as 7.7 seconds.⁴
- This printer uses exceptionally low amounts of energy thanks to its innovative design and toner technology.⁵
- Paper handling options include a wheeled stand and 550-sheet input feeder for paper sizes 4 x 6" to legal.

More Pages, Performance, and Protection⁶

- ColorSphere3 toner formulation, combined with an automatic media sensor, help provide leading print quality.
- Original HP Toner Cartridges with JetIntelligence supply 46% more pages per color cartridge vs predecessor. 6
- Help retain the Original HP quality you paid for with anti-fraud and cartridge authentication technology.
- Spend less time replacing toner, and more on business. Choose high-yield toner cartridges.⁷

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: hp.com/go/printersecurityclaims.

HP Web Jetadmin is available for download at no additional charge at hp.com/go/webjetadmin. 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 after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.
Exact speed or TEC data reported on energystar.gov as of January 2017. Data normalized to determine energy efficiency of in-class laser printers with published speed of 50 to 60 ppm. Subject to device settings. Actual results may vary.

⁶ More pages versus predecessor cartridges claim based on page-yield comparison of HP M647A and HP 648A Color Original Laser Jet Toner Cartridges with HP 656X High Yield Color Original Laser Jet Toner Cartridges. For more information, see hp.com/go/learnaboutsupplies

⁷ HP 656X High Yield Original LaserJet Toner Cartridges not included; please purchase separately.
8 An FCC Class A emissions compliant device meets the less stringent (higher) levels of emissions allowed by the FCC for a product operation in a commercial environment. An FCC class A device cannot be marketed for use in a residential environment and an FCC class A device should not be purchased for use in a residential environment due to the increased risk of interference to radio communications

Product walkaround

- 1. 500-sheet output bin
- 2. Front door access to toner cartridges
- 3. Wi-Fi Direct printing⁶/Bluetooth Low Energy⁸
- 4. Built-in automatic two-sided printing
- 5. 550-sheet tray 2
- 6. 550-sheet tray 3
- 7. 4.3-inch (10.9 cm) icon-based color touchscreen
- 8. Hardware Integration Pocket²
- 9. Easy-access USB port
- 10. 100-sheet multipurpose tray 1
- 11. Lower right door (access to print path)
- 12. Slot for cable-type security lock
- 13. Built-in Gigabit Ethernet
- 14. Hi-Speed USB 2.0 printing port
- 15. USB port for connecting external USB devices



Series at a glance







Model	HP Color LaserJet Enterprise M653dn	HP Color LaserJet Enterprise M653x	HP Color LaserJet Enterprise M653dh
Product number	J8A04A	J8A05A	J8A06A
Print speeds (letter/A4) ⁴	Up to 60/56 ppm		
Control panel	4.3-inch (10.9 cm) icon-based color touchscreen	4.3-inch (10.9 cm) icon based color touchscreen	Control panel
Automatic two-sided printing	√		
100-sheet tray 1, 550-sheet tray 2	√		
550-sheet paper feeder ⁵	Optional (up to two)	√ (plus up to one optional)	550-sheet paper feeder ⁵
550-sheet paper feeder with stand and cabinet ⁵	Optional	Not available	Optional
3x550-sheet paper feeder and stand ⁵	Optional	Not available	Optional
1x550-sheet/2,000-sheet HCI feeder and stand ⁵	Optional	Not available	Optional
Direct mobile printing	Optional wireless direct ⁶ /NFC ⁷	Embedded Wi-Fi Direct ^{®6} / Bluetooth [®] Low Energy ⁸	Direct mobile printing
Wireless networking	Optional ⁹		Wireless networking

¹Built-in automatic two-sided printing is not supported on the M652n model.
²Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.
³An administrator must enable the easy-access USB port before use.
⁴Measured 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.

5All models come with 100-sheet multipurpose tray 1 and 550-sheet tray 2. In addition, the M652n, M652dn, and M653dn models can add up to two additional 1x550-sheet/2,000 paper feeder; it does not support any

other paper-handling accessories.

6Wi-Fi Direct printing is embedded in the HP Color LaserJet Enterprise M653x model. All other models can add wireless direct by purchasing the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device

rouch-to-print gas embedded in the HP Detailed. Subject the Interprise Mobile device an add wheless direct by purchasing the optional HP Jetunied. Subject is a registered trademark of Wi-Fi Direct® supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. For details, see hp.com/go/mobileprinting. Wi-Fi Direct is a registered trademark of Wi-Fi Alliance®.

7 Touch-to-print capability is optional for all models (except the M653x) with the purchase of the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device must support Near Field Communication (NFC)-

enabled printing. For more information, see hp.com/go/businessmobileprinting

Bluetooth Low Energy is standard only on the HP Color Laser Jet Enterprise M653x, and it cannot be added to other models. Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license.

⁹All models can add wireless networking with the purchase of the optional HP Jetdirect 2900nw

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

Only HP enterprise printers repair themselves from attacks in real time while offering outstanding manageability. Automatically monitor threats, detect intrusions, and validate operating software while centrally managing your fleet with ease.

With speeds of up to 60 pages per minute³, fast first page out and a variety of paper-handling options, you get confidence that your employees can speed through their tasks without interruption.

Get more pages and help protect your printer using Original HP Toner cartridges with JetIntelligence.⁶

Accessories

2MU47A HP Accessibility Assistant

2NR09A HP 2GB 144-Pin DDR3 TAA Version DIMM

2NR12A HP Removable Hard Drive Enclosure

3JN69A HP Jetdirect 3100w BLE/NFC/Wireless Accessory

5ELO3A HP TAA Version Secure Hard Disk Drive

B5L29A HP High-Performance Secure Hard Disk

CC543B HP SmartCard NIPRNet Solution for US Government

E5K48A HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM

E5K49A HP 2 GB x32 144-pin (800 MHz) DDR3 SODIMM

F5S62A HP Trusted Platform Module Accessory

18030A HP Tetdirect 3000w NFC/Wireless Accessory

J8031A HP Jetdirect 2900nw Print Server

P1B09A HP Color LaserJet 550-sheet Media Tray

P1B10A HP Color LaserJet 550-sheet Paper Tray with Stand

P1B11A HP Color LaserJet 3x550-sheet Feeder and Stand

P1B12A HP Color Laser let 1x550/2000-sheet HCL Feeder and Stand

Supplies

HP 655A Black Original LaserJet Toner Cartridge (~12,500 yield) CF450A

HP 656X High Yield Black Original LaserJet Toner Cartridge (~27,000 yield) CF460X

HP 655A Cyan Original LaserJet Toner Cartridge (~10,500 yield) CF451A

HP 656X High Yield Cyan Original LaserJet Toner Cartridge (~22,000 yield) CF461X

HP 655A Yellow Original LaserJet Toner Cartridge (~10,500 yield) CF452A

HP 656X High Yield Yellow Original Laser let Toner Cartridge (~22,000 yield) CF462X

HP 655A Magenta Original LaserJet Toner Cartridge (~10,500 yield) CF4533A

HP 656X High Yield Magenta Original LaserJet Toner Cartridge (~22,000 yield) CF463X

Services

U9NZ6E - HP 3y Nbd+DMR CLJ Ent M65x HW Supp U9NZ7E - HP 4y Nbd+DMR CLJ Ent M65x HW Supp

U9NZ8E - HP 5y Nbd+DMR CLJ Ent M65x HW Supp

U9NZ9E - HP 3y 4h 9x5+DMR CLJ Ent M65x HW Supp

U9PA0E - HP 4y 4h 9x5+DMR CLJ Ent M65x HW Supp

U9PA1E - HP 5y 4h 9x5+DMR CLJ Ent M65x HW Supp

U9PA2E - HP 3y 4h 13x5+DMR CLJ Ent M65x HW Supp

U9PB9E - HP 5y Return CLJ Ent M65x SVC













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: hp.com/go/printersecurityclaims ² HP Web Jetadmin is available for download at no additional charge at hp.com/go/webjetadmin.

³ 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 after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.

⁵ Energy claim based on TEC data reported on energystar gov as of January 2017. Data normalized to determine energy efficiency of in-class laser printers with published speed of 50 to 60 ppm. Subject to device settings.

more information, see hp.com/go/learnaboutsupplies

HP 656X High Yield Original LaserJet Toner Cartridges not included; please purchase separately

An FCC class A emissions compliant device meets the less stringent (higher) levels of emissions allowed by the FCC for a product operation in a commercial environment. An FCC class A device cannot be marketed for use in a residential environment and an FCC class A device should not be purchased for use in a residential environment due to the increased risk of interference to radio communications.

HP Color LaserJet Enterprise M653 series

Model	HP Color LaserJet Enterprise M653dn	HP Color LaserJet Enterprise M653x	HP Color LaserJet Enterprise M653dh		
Product number	J8A04A	J8A05A	J8A06A		
Print					
Print speed ⁸ , ¹⁰ , ⁹		k; Up to 60 ppm Color; First page out : As fast as 5.7 sec Black; As fast as 5.8 se	ec Color; Print speed (Landscape, A5): Up to 74 ppm Black; Up to 74 ppm Colo		
Print resolution	Black (best) Up to 1200 x 1200 x 1200 dpi; Black (normal) Up to 600 x 600 dpi; Black (fine lines) Up to 1200 x 1200 dpi Color (best): Up to 1200 x 1200 dpi; Color (normal): Up to 600 x 600 dpi; Color (fine lines): Up to 1200 x 1200 dpi				
Print technology	Laser; Print resolution technology: HP ImageRet 3600; 600 x 600 dpi; HP ProRes 1200 (1200 x 1200 dpi); Pantone® Calibrated				
Print cartridges number	4 (1 each black, cyan, magenta, yellow)				
Standard print languages	HP PCL 6; HP PCL Sc; HP postscript level 3 emulation, native PDF printing (v 1.7), URF (AirPrint)				
Printer smart software features	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB				
Printer management / HP SureSupply	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmi	n Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP	Universal Print Driver/ Yes		
Connectivity					
Standard connectivity	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 10/10/1000 Base-TX network; Hardware Integration Pocket; 1 Wi-Fi direct 802.11 blg/n; 1 Bluetooth low energy	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		
Network capabilities	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-Tx, 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11a/b/g/n wireless networking (optional).	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-1, 100Base-Tx, 1000Base-Tx, 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11a/b/g/n wireless networking (standard).	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11a/b/g/n wireless networking (optional).		
Wireless capability	Optional, enabled with purchase of HP Jetdirect 2900nw Print Server J8031A or HP Jetdirect 3000w NFC/Wireless Accessory J8030A	Yes, Built-in Wi-Fi Direct, Bluetooth low energy; Optional, enabled with purchase of HP Jetdirect 2900nw Print Server J8031A	Optional, enabled with purchase of HP Jetdirect 2900nw Print Server J8031A or HP Jetdirect 3000w NFC/Wireless Accessory J8030A		
Mobile printing capability ⁷	HP ePrint; Apple AirPrint™; Mopria-certified	HP ePrint; Wireless direct printing; Apple AirPrint™; Mopria-certified	HP ePrint; Apple AirPrint™; Mopria-certified		
Memory	Standard: 1 GB; Maximum: 2 GB				
Processor speed	1.2 GHz / Storage: 8 GB eMMC / Hard disk: Optional, 500 GB (with accessory B5L29A)		1.2 GHz / Storage: 8 GB eMMC / Hard disk: Standard, minimum 500 GB HP High-Performance Secure Hard Disk (AES 256 hardware encryption or greater); FIPS140 certified		
Duty cycle (monthly) Paper handling	Letter:Up to 120,000 pages; Recommended monthly page volume: 2000 to 17,000				
	100-sheet multi-purpose tray, 550-sheet input tray 2; Up to 650 sheets	100-sheet multi-purpose tray, 550-sheet input tray 2, 3; Up to 1200 sheets			
Input	Standard	Standard	Standard		
Output Duplex Options	Standard: 500-sheet output bin; Up to 500 sheets Standard; Transparencies: Up to 200 sheets Automatic Citysolycii Automatic Citysolycii				
Envelope feeder	Automatic (standard) No				
Standard paper trays	2	3	2		
Media types	Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, he opaque film, user-defined	lavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), color tran	sparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough		
Media weight	Tray 1: 16 to 58 lb (plain) 32 to 58 lb (glossy); Tray 2 and automatic two- sided printing unit: 16 to 90 lb (plain) 32 to 58 lb (glossy); Optional Trays 3, 4, 5 1x550-sheet feeders: 16 to 90 lb (plain) 32 to 58 lb (glossy); Optional Tray 4 2,000-sheet high capacity input: 16 to 58 lb (plain)	Tray 1: 16 to 58 lb (plain) 32 to 58 lb (glossy); Trays 2, 3 and automatic two-sided printing unit: 16 to 90 lb (plain) 32 to 58 lb (glossy); Optional Tray 4: 16 to 90 lb (plain) 32 to 58 lb (glossy)	Tray 1: 16 to 58 lb (plain) 32 to 58 lb (glossy); Tray 2 and automatic two- sided printing unit: 16 to 90 lb (plain) 32 to 58 lb (glossy); Optional Trays 3 4, 5 1x550-sheet feeders: 16 to 90 lb (plain) 32 to 58 lb (glossy); Optional Tray 4 2,000-sheet high capacity input: 16 to 58 lb (plain)		
Media sizes	Tray 1: letter, legal, executive, statement, 0 ficio, 3×5 in, 4×6 in, 5×7 in, 5×8 in, envelopes $(M, 0.9, No. 10, Monarrh), Tray, eltetre, legal, executive, statement, 0 ficio, 4 \times 6 in, 5 \times 7 in, 5 \times 8 in, 0 potional 550-sheet trays: letter, legal, executive, statement, 0 ficio, 4 \times 6 in, 5 \times 7 in, 5 \times 8 in; 0 potional 2,000-sheet high-capacity tray; letter, legal$	Tray 1: letter, legal, executive, statement, Oficio, 3×5 in, 4×6 in, 5×7 in, 5×8 in, envelopes (No. 9, No. 10, Monarch), Trays 2, 3: letter, legal, executive, statement, Oficio, 4×6 in, 5×7 in, 5×8 in, Optional Tray 4: letter, legal, executive, statement, Oficio, 4×6 in, 5×7 in, 5×8 in	Tray 1: letter, legal, executive, statement, Oficio, 3.x S in, 4.x 6 in, 5.x 7 in, 18 in, envelopes (No. 9, No. 10, Monarch'), Tray 2: letter, legal, executive, statement, Oficio, 4.x 6 in, 5.x 7 in, 5.x 8 in; Optional 5.50-5 heet trays: letter legal, executive, statement, Oficio, 4.x 6 in, 5.x 7 in, 5.x 8 in; Optional 2,000 sheet high-capacity tray; letter, legal		
Media Sizes Custom	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4 x 5.83 to 8.5 x 14 in; Optional 550- sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 2,000-sheet high-capacity tray: custom sizes not supported in this tray	Tray 1: 3 x 5 to 8.5 x 14 in; Trays 2, 3: 4 x 5.83 to 8.5 x 14 in; Optional Tray 4: 4 x 5.83 to 8.5 x 14 in	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4 x 5.83 to 8.5 x 14 in; Optional 550- sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 2,000-sheet high-capacity tra- custom sizes not supported in this tray		
Dimensions (w x d x h)	20.08 x 18.03 x 20.08 in; Maximum: 37.91 x 30.31 x 20.08 in	20.08 x 18.03 x 25.20 in; Maximum: 37.91 x 30.31 x 25.20 in	20.08 x 18.03 x 20.08 in; Maximum : 37.91 x 30.31 x 20.08 in		
Weight	68.9 lb	82.7 lb	68.9 lb		
What's in the box ²	HP Color LaserJet Printer; HP Black Original LaserJet Toner Cartridge (-12,500 yield), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (-10,500 yield each) (toner cartridges installed); CD with software drivers and documentation; Documentation (Hardware Install Guide); Power cord	HP Color LaserJet Printer; HP Black Original Laser Jet Toner Cartridge (~12,500 yield, HP Cyan, Magenta and Yellow Original Laser Jet Toner Cartridges (~10,500 yield each) (toner cartridges installed); CD with software drivers and documentation; Documentation (Hardware Install Guide); Power cord; 1×550-sheet paper feeder	HP Color Laserlet Printer: HP Black Original Laser let Toner Cartridge (-12,500 yield), HP Cyan, Magenta and Yellow Original Laser let Toner Cartridges (-10,500 yield each) (toner cartridges installed); CD with softwa drivers and documentation; Documentation (Hardware Install Guide); Pow cord		
Replacement cartridges ⁶	HP 655A Black Original LaserJet Toner Cartridge (~12,500 yield) CF450A; HP 656X High Yield Black Original LaserJet Toner Cartridge (~27,000 yield) CF460X; HP 655A Cyan Original LaserJet Toner Cartridge (~10,500 yield) CF451X; HP 656X High Yield Cyan Original LaserJet Toner Cartridge (~10,500 yield) CF451X; HP 656X High Yield Cyan Original LaserJet Toner Cartridge (~10,500 yield) CF451X; HP 656X High Yield Cyan Original LaserJet Toner Cartridge (~10,500 yield) CF451X; HP 656X High Vield CYAPASTA Magenta Original LaserJet Toner Cartridge (~10,500 yield) CF451X; HP 656X High Vield (CF451X; HP 656X High Vield (CF45				
Warranty features		s vary by product, country and local legal requirements. Go to hp.com/support			
Energy efficiency compliance	ENERGY STAR® qualified; EPEAT® Silver; EPEAT® Gold (#AAZ; #201 options	ENERGY STAR® qualified; EPEAT® Silver; CECP	ENERGY STAR® qualified; EPEAT® Gold (#AAZ, #201 options only)		
Control panel	only); CECP 4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (ar		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Display	4.3-in(10.92 kin) color displines bispay (cas) with touchscreen; rotating deductable angle! 4.3-in(10.92 kin) color displines bispay (cas) with touchscreen; rotating deductable angle! 4.3-in(10.92 kin) color displines bispay (cas) with touchscreen; rotating deductable angle!				
Software included	HP Connected, HP Device Experience (DXP), HP PCL 6 (XPS) 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 Fon	ts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri,		
Compatible operating	Cambria); additional finit solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at http://www.hp.com/go/laserjetfonts 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 Fodora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13. Authority Charles (18, 17.2, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13. Authority Charles (18, 17.2, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13. Authority Charles (18, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13. Authority Charles (18, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13. Authority Charles (18, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13. Authority Charles (18, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13. Authority Charles (18, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13. Authority Charles (18, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13. Authority Charles (18, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13. Authority Charles (18, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13. Authority Charles (18.2, 18.2, 18.2), Linux Red Hat Enterprise (18.2, 18.2, 18.2), Linux Red Hat Enterprise (18.2, 18.2), Linux Red H				
Compatible network operating systems	detitions, Windows 8/8.1 all 32-8 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (Notion RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2008 R2 SP1 (Entry Seapen Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2008 R2 SP1 (Entry Seapen Seape				
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 ⁴	Power supply type: Built in 115V or 220V Power Supply (not dual voltage, power supply varies by part number with option code identifier); Power supply required: Input voltage: 100V to 127V nominal (+/- 10%), 50 – 60Hz nominal (+/- 3Hz), 12 k; Input voltage: 220V to 240V nominal, (+/- 10%), 60Hz nominal (+/- 3Hz), 6 Power consumption; 820 vats (printing), 31 watts (ready), 0.7 watts (sleep), 0.7 watts (Auto Off/Manual On), 0.1 (Manual Off); Typical electricity consumption (TEQ) number: ES: 2.49 kWh)/Week; B8. 2.27 kWh)/Week; B8. 227 kWh)/We				
Acoustics	Typical electricity Crisomipor (Tech 25 25 KW) week, Dr. 227 KW) w				
Operating environment	Operating temperature range: 59 to 86°F; Recommended operating temperature: 63.5 to 77°F; Storage temperature range: 4 to 104°C; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to				
Security management	70% RH Identity management: Kerberos authentication; LDAP authentication; 1000 and Kerberos authentication; Supports WIA-10 IPsec configuration Plug-in; 140 validated cryptographic libraries from Microsoft); Secure Erase; SSL/TLS with Red Balloon Security Technology - Constant in-device monitoring for at	user PIN codes; optional HP and 3rd party advanced authentication solutions 802. IX authentication (EAP-PEAP-EAP-ILS); SNMP03; HTTPS; Certificates; Ac (HTTPS); Enrypted Credentials: Device Security lock slot; USB port disablement tacks; SureStarf Secure Boot - BIOS Integrity Checking with self-healing capab ecurity Syslog Messages processed and accessable in Arcsight and Splunk Site	(e.g.; badge readers); Network: IPsec/firewall with Certificate, Pre-Shared Ke cess Control List; Data: Storage Encryption; Encrypted PDF & Email (uses FIP ent; hardware integration pocket for security solutions; Intrusion Detection libit: Whiteletian – loads only known good code (DLLs EXEs): Security		

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¹ EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

² Cartridges included; yields 10,500 color (C/Y/M) and 12,500 black pages. Pages based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see

http://www.hp.com/go/learnaboutsupplies. Pages may vary based on customer printing conditions and usage.

³ 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.

⁴ 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.

⁵ Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.

⁶ Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

May require a firmware upgrade to be compatible, download at http://www.hp.com/go/support

⁸ 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.

⁹ Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.

¹⁰ Measured using ISO/IEC 17629. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

¹¹ Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.

12 Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit http://www.hp.com/go/learnaboutsupplies