

# HP Color LaserJet Managed MFP E67650 series



# This HP Color LaserJet MFP merges performance, energy efficiency, and the deepest security.

This HP Color LaserJet MFP 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.

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 Color LaserJet Managed MFP E67650dh

#### 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.
- Run-time intrusion detection continually monitors to detect and stop attacks, then automatically reboots.
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.<sup>5</sup>
- Give workgroups what they need to succeed. Easily choose and deploy over 180 HP and third-party solutions.

#### High speed performance meets energy efficiency

- Scanning is now faster than ever; scan to SharePoint and more.<sup>2</sup>
- This MFP wakes up fast and prints your first page fast.<sup>4</sup>
- This MFP uses exceptionally low amounts of energy thanks to its innovative design and toner technology.
- Paper handling options include a wheeled stand and 550-sheet input feeder for paper sizes A6 to legal .

#### Pages, Performance, and Protection.

- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- Spend less time replacing toner, and more on business. Choose high-yield toner cartridges.<sup>3</sup>
- Help retain the Original HP quality you paid for with anti-fraud and cartridge authentication technology.

#### 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 150 pages into the automatic document feeder for fast, unattended scanning.

<sup>1</sup> 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 <sup>2</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, software application, driver, and document complexity. <sup>3</sup> HP Managed LaserJet Toner Cartridges not included; please purchase separately. <sup>4</sup> Based on HP Internal Testing. <sup>5</sup> HP Web Jetadmin is available for download at no additional charge at http://www.hp.com/go/webjetadmin



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#### HP Color LaserJet Managed MFP E67650dh

## Product walkaround

- 1. Hardware Integration Pocket<sup>1</sup>
- 2. Easy-access USB port<sup>2</sup>
- 3.500-sheet output bin
- 4. Cartridge door release button
- 5. HP High-Performance Secure Hard Disk
- 6. Built-in automatic two-sided printing
- 7.550-sheet tray 2 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)
- 8. 150-sheet ADF with single-pass, two-sided scanning
- 9. 8.0-inch (20.3 cm) icon-based color touchscreen
- 10. Right door (access to paper path)
- 11.100-sheet multipurpose tray 1 supports media sizes up to  $8.5 \times 14$  inches (216 x 356 mm)
- 12. Front door (access to toner cartridges)
- 13. Slot for cable-type security lock
- 14. Built-in Gigabit Ethernet port

Series at a glance

- 15. Hi-Speed USB 2.0 printing port
- 16. USB port for connecting external USB devices





Product number       3GY31A         Functions       Print, copy, scan, optional fax         Print speeds (black and color)*       Letter/A4: Up to 50/47 pages per minute (ppm) A5 landscape: Up to 74 ppm         Scan speeds (black and color)*       Simplex: Up to 75/69 ppm (letter/A4) Duplex: Up to 120/111 images per minute (ipm) (letter/A4)         First page out (black and color)       From ready:: As fast as 6.4/6.5 seconds (letter/A4) From sleep:* As fast as 8.9/9.0 seconds (letter/A4)         100-sheet multipurpose tray, 550-sheet tray 2       ✓         Optional paper-handling accessories ?       See Paper-handling accessories table below for details         Input capacity (standard/maximum*)       Up to 650/3,200 pages         Managed Cartridge yields*       Black: ~32,200 pages; Color: ~28,000 pages         Recommended Monthly Page Volume (RMPV)*       3,000 to 24,000 pages         Recommended Monthly Scan Volume (RMSV)**       14,000 to 24,000 pages         Wireless direct**/NFC touch-to-print**/BLE **       Optional		
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Recommended Monthly Page Volume (RMPV) <sup>10</sup> 3,000 to 24,000 pages         Recommended Monthly Scan Volume (RMSV) <sup>11</sup> 14,000 to 24,000 pages         Wireless direct <sup>12</sup> /NFC touch-to-print <sup>13</sup> /BLE <sup>14</sup> Optional	Input capacity (standard/maximum )	Up to 650/3,200 pages
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Wireless direct <sup>12</sup> /NFC touch-to-print <sup>13</sup> /BLE <sup>14</sup> Optional	Recommended Monthly Page Volume (RMPV)10	3,000 to 24,000 pages
	Recommended Monthly Scan Volume (RMSV)11	14,000 to 24,000 pages
Wireless networking <sup>15</sup> Optional	Wireless direct <sup>12</sup> /NFC touch-to-print <sup>13</sup> /BLE <sup>14</sup>	Optional
	Wireless networking <sup>15</sup>	Optional

<sup>1</sup> Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. <sup>2</sup> An administrator must enable the easy-access USB port before use. <sup>3</sup> Measured using ISO/IEC 24734; excludes first set of text documents. For more information, see hp.com/go/printerclaims Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Scan speed measured from ADP at default 300 dpi (black-and-white, grayscale, and color). Actual processing speeds may way depending on scan resolution, network conditions, computer performance, and application on forware. <sup>5</sup> Measured using ISO/IEC 17629. Exact speed varies depending on the system configuration, software application, driver, document complexity. Learn more at hp.com/go/printerclaims <sup>6</sup> Measured after 15 minutes in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity, and time in sleep. <sup>7</sup> The MFP comes standard with the 100-sheet multipurpose tray 1 and 550-sheet tpace feeder and stand, or 1x550 and 2,000-sheet HCI feeder and stand). All optional accessories support media up to 8.5 x 14 inches (216 x 356 mm). <sup>9</sup> Purchase of optional paper trays required toreach maximum input capacity. <sup>9</sup> Average black declared yields based on ISO/IEC 19758 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see hp.com/go/learnaboutsupplies HP Managed Cartridges are not included in printer purchase; purchase separately. <sup>10</sup> Recommended Monthly Page Volume: HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. <sup>11</sup> HP recommends that the number of scanned pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended



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### **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.

## 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.<sup>13</sup>

With speeds up to 50 pages per minute<sup>4</sup>, fast first page out and a variety of paper-handling options, you get confidence that your employees can speed through their tasks without interruption.

Help protect your printer using Original HP Toner cartridges with JetIntelligence.<sup>5</sup>

Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 120 ipm<sup>2</sup>—and avoid extra steps with a Flow MFP designed for maximum productivity.

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











P1B09A HP Color LaserJet 550-sheet Paper Feeder	
P1B10A HP Color Laser Jet 550-sheet Paper Feeder with Stand and Cabinet	
P1B11A HP Color LaserJet 3x550-sheet Paper Feeder with Stand	
P1B12A HP Color LaserJet 1x550/2000-sheet Feeder and Stand	
B5L28A HP Internal USB Ports	
B5L31A HP Foreign Interface Harness	
J8031A HP Jetdirect 2900nw Print Server	
E5K48A HP 1 GB DDR3 x32 144-Pin 800 MHz SODIMM	
E5K49A HP 2 GB DDR3x32 144-Pin 800 MHz SODIMM Accessory	
2TD64A HP Accessibility Kit	
2MU47A Accessibility Assistant	
J8030A HP Jetdirect 3000w NFC/Wireless Accessory	
3JN69A HP JetDirect 3100w BLE/NFC/Wireless Accessory	
2NR12A HP Removable Hard Drive Enclosure	
3D03A HP USB Universal Card Reader x	
Y7C05A HP HIP2 Keystroke Reader	
2EH31A HP MFP Analog 700 Fax Accessory	
4QL32A HP Logic Reader	
Supplies	
W9030MC HP Black Managed LaserJet Toner Cartridge (~32,200 pages)	
W9031MC HP Cvan Managed LaserJet Toner Cartridge (~28,000 pages)	
W9032MC HP Yellow Managed LaserJet Toner Cartridge (~28,000 pages)	
W9033MC HP Magenta Managed LaserJet Toner Cartridge (~28,000 pages)	
Services	
U9NY1E HP 3 year NBD Service w/Defective Media Retention for Color Laser Jet Enterprise MFP Manag	ed
U9NY4E HP 3 year 4 hour 9x5 Service w/DMR for Color LaserJet Enterprise MFP Managed	
U9NZOPE HP 1 year Post Warranty NBD Service w/DMR for Color LaserJet Enterprise MFP Managed	
U9NZ2PE HP 1 year Post Warranty 4 hour 9x5 Service w/DMR for Color Laser Jet Enterprise MFP Manag	ed

# <sup>1</sup> 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<sup>2</sup> Scan speed measured from ADF at default 300 dpi (black-and-white, grayscale, and color). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. <sup>3</sup> Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at http://www.hp.com/go/printsecurity <sup>4</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, set http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>5</sup> HP Managed LaserJet Toner Cartridges not included; please purchase separately.



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# HP Color LaserJet Managed MFP E67650 series

Technical Specifications	HP Color LaserJet Managed MFP E67650dh (3GY31A)	
AIO functions	Print, copy, scan and optional fax	
Print speed	Letter: Up to 50 ppm black; Up to 50 ppm color; A4: Up to 47 ppm black; Up to 47 ppm black; Up to 47 ppm color <sup>15</sup> ; FirstPageOutLetter: As fast as 6.4 sec black; As fast as 6.4 sec color; FirstPageOutA4: As fast as 6.5 sec black; As fast as 6.5 sec color <sup>13</sup> ; Print Speed Black (Landscape, A5): Up to 74 ppm black; Up to 74 ppm color <sup>14</sup>	
Print resolution	Black (best): Up to 1200 × 1200 dpi; Colour (best): Up to 1200 × 1200 dpi	
Print Technology	Laser; Print Resolution Technologies: 500 x 500 dp; https://www.sci.org/abs/sc	
Print Cartridges Number		
Standard Print Languages Printer Smart Software Features	HP PCL 6, HP PCL 5 (HP PCL 5 driver available from the Web only), HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™ Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB, HP EasyColor	
Printer Smart Software Features	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 5, 1, 6), tol, collation, watermarks, store print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 5, 1, 6), collation, watermarks, store printip duplex per sheet (2, 4, 6), tol, collation, watermarks, store printip duplex per sheet (2, 4, 6), tol, coll and told printip duplex per sheet (2, 4, 6), told printip dup	
Scan Type / Technology	Type: Flatbed, ADF	
Scan Resolution	Hardware: Up to 600 x 600 dpi (pticat: Up to 600 x 600 dpi	
Scan File Format	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, xPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, xPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (prn, .pcl, .cht)	
Scan Input Modes	Front panel applications: Copy; E-mail; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (0xP) applications, HP Scan or user application via TWAIN	
Scan Size	ADF: 8.5 x 34.0 in Maximum; 2.7 x 5.8 in Minimum; Flatbed: 8.5 x 14 in	
Scan Speed	Up to 75 ppm/120 ipm (b8w), up to 75 ppm/120 ipm (color); Duplex Up to 120 ipm (b8w), up to 120 ipm (color) <sup>12</sup>	
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 SharePoint; Send to FTP; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compa PDF	
Copy Speed	Black(letter): Up to 50 cpm; Color (letter): Up to 50 cpm; First Copy Out (Letter): As fast as 6.6 sec black; As fast as 7.1 sec color <sup>16</sup>	
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, job build, edge-to-edge, job storage, ID Copy, Book Copy, A-to-B Cop (different media sizes)	
Standard Connectivity	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket	
Network Capabilities	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T; 100Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11a/b(g/n wireless networking (optional).	
Wireless Capability Mobile Printing Capability	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-FI Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-FI Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-FI Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-FI Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A	
	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified; Roam capable for easy printing <sup>6</sup> Standard: 1.5 GB (printer): 512 MB (scanner): Maximum: 3 GB Max memory, when Accessory DIMM is installed	
Memory Processor Speed	Scanoard 1.5 Gb gmitetry; 512 Mb tscanoard, miniarum 500 GB HP tigh-Performance Secure Hard Disk	
Duty Cycle	Monthly, letter: Up to 150,000 pages <sup>7</sup> ; Recommended Monthly Page Volume: 3000 to 24,000 <sup>8</sup>	
Paper Handling	Input Capacities: 100-sheet multi-purpose tray, 550-sheet input tray, 2, 150-sheet automatic document feeder. Up to 550 sheets standard: MP Tray. Up to 10 envelopes (or 10mm stack height) labels legal; Output Capacities: 500-sheet multi-purpose tray, 550-sheet input tray, 2, 150-sheet automatic document feeder. Up to 550 sheets standard: MP Tray. Up to 10 envelopes (or 10mm stack height) labels legal; Output Capacities: 500-sheet multi-purpose tray, 550-sheet input Capacities: 500-sheet standard: Muto Document Feeder Capacity: Standard, 150 sheets; Envelope Feeder: No; Standard Paper Trays: 2; Media Types Tuges: Supported: Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight, heavy, mid-weight, heavy, mid-weight, heavy, mid-weight, heavy, mid-weight, blain) 32 to 581 b (plain) 3	
Product Dimensions	W x D x H: 20.08 x 21.85 x 25.91 in; Maximum: 37.91 x 30.31 x 35.83 in	
Product Weight	94.4 lb <sup>3</sup>	
What's in the box	HP Color LaserJet Multifunction Printer; HP Black, Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (toner cartridges installed); Documentation (Hardware Install Guide); Power cord; Fixed-Size Cassette Guides <sup>2</sup>	
Replacement Cartridges	HP Black Managed LaserJet Toner Cartridge (~32,200 pages) W9030MC; HP Cyan Managed LaserJet Toner Cartridge (~28,000 pages) W9031MC; HP Yellow Managed LaserJet Toner Cartridge (~28,000 pages) W9033MC <sup>5</sup>	
Warranty Features	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region. (wt code 4G)	
Energy Efficiency Compliance	ENERGY STAR® qualified; EPEATP Silver; CECP1	
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)	
Display Description	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreer, rotating dadjustable angle) display, illuminated Home button (for quick return to the Home menu)	
Software Included Fonts and Typefaces	No software solutions are included in the Box, only on http://hp.com, http://123.hp.com 105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP Potscript 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 Laser Let Fonts and IPD5 Emulation available at http://www.hp.com/go/laserjetfonts	
Compatible Operating Systems	Windows Client OS (32/64 bit), Win10, Win8, Ji Min B basic, Win8 Pro, Win8 Enterprise, Win8 Therprise, Win7 Starter Edition SP1, UPD Win7 Utimate, Mobile OS, 105, Android, Max, Apple* macOS Sierra v10.12, Apple* macOS High Sierra v10.13, Apple* macOS Mojave v10.14, Discrete PCL6 Printer Driver, For more information on the supported operating systems go to http://support.hp.com, Enter your product name and search, Click on User Guide, Search for your (Product Name) User Guide, Search for the Supported Operating systems see http://www.hp.com/go/upd	
Compatible Network Operating Systems	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 R2 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Failover Cluster 2008 R2, Failover Cluster 2008 R2, Remote Desktop server 2012 R2, Cltrix sendy R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Cltrix Server 6.5, Cltrix sendy R2, RenDesktop 7.6, Novell iPrint server, Cltrix Ready KI Certification - Up to Cltrix Server 7.18 for more information see http://cltrixready.cltrix.com, Linux- For more information see http://hp.com/go/undwodelscripts, UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see http://hp.com/go/upd	
Minimum System Requirements	PC: 2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com; MAC: 2 GB available hard drive space, Internet connection or USB port, OS hardware requirements see apple.com	
Power	PowerSupplyType:Built-in 115V or 220V Power Supply; PowerRequirements:Input voltage: 100V to 127V nonminal (+7-10%), 50 - 60 Hz nominal (+7-3 Hz), 124, Input voltage: 220V to 240V nominal (+7-10%), 50 - 60 Hz nominal (+7- 6 A; PowerConsumption; PowerConsum; PowerConsum; PowerConsum; PowerConsum; Pow	
Acoustics		
	AcousticPowerEmissions: 6.6 B(A): AcousticPressureEmissions: 5.2 dB(A) <sup>11</sup> Operating Temperature Range: 50 to 90.5%; Recommended Operating Temperature: 59 to 80.6%; Storage Temperature Range: -4 to 104%; Operating Humidity Range: 10 to 80% RH; Recommended Humidity Operating Range: 30 to	
Operating Environment	Uperating temperature kange: 50 to 50.5 m; kecommended Uperating temperature: 59 to 80.6 m; storage temperature kange: -4 to 104 m; Uperating Humidity Kange: 10 to 80% kH; kecommended Humidity Uperating kange: 30 to 80.6 m; storage temperature kange: -4 to 104 m; Uperating Humidity Kange: 10 to 80% kH; kecommended Humidity Uperating kange: 30 to 80.6 m; storage temperature kange: -4 to 104 m; Uperating Humidity Kange: -1 to 80% kH; kecommended Humidity Uperating kange: 30 to 80.6 m; storage temperature kange: -4 to 104 m; Uperating Humidity Kange: 10 to 80% kH; kecommended Humidity Uperating kange: 30 to 80.6 m; storage temperature kange: -4 to 104 m; Uperating Humidity Kange: 10 to 80% kH; kecommended Humidity Uperating kange: 30 to 80.6 m; storage temperature kange: -4 to 104 m; Uperating Humidity Kange: -4 to 80% kH; kecommended Humidity Uperating kange: 30 to 80.6 m; storage temperature kange: -4 to 104 m; Uperating Humidity High KH; kecommended Humidity Uperating kange: -4 to 80% kH; kecommended Humidity High Kh; kecommended High Kh; kecommended High Kh; kecommended High Kh; kecommend	
Security Management	Identity management: Kerberos authentication; LDAP authentication; 1000 user PIN codes; optional HP and 3rd party advanced authentication solutions (e.g.; badge readers); Network: IPsec/firewall with Certificate; Pre-Shared Key; an Kerberos authentication; Supports WJA-10 IPsec configuration Plug-in; 802.1x authentication (EAP-PEAP; EAP-TLS); SNMPv3; HTTPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft); Secure Erase; SLZ/TLS (HTTPS); Encrypted Credentials; Device: Security lock slot; USB port disablement; hardware integration pocket for security solutions; Intrusion Detection with Red Balloon Security Technology - Constant in-device monitoring for attacks; SureStart Secure Boot - BIOS Integrity Checking with self-healing capability; Whitelisting - loads only known good code (DLLs, ExEs,); Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessable in ArcSight and Splunk SIEMs	

<sup>1</sup> EPEAT<sup>®</sup> registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country. <sup>2</sup> Standard cartridges included; yields 12,500 black and 10,500 color composite (C/M/Y) ages. Average black declared yields based on ISO/EC 19752 and continuous printing. Atrul yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.<sup>3</sup> With print cartridges <sup>4</sup> Power requirements are based on ISO/EC 19752 and continuous printing. Atrul yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.<sup>5</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth<sup>®</sup> Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, wish thtp://hp.com/go/learnaboutsupplies.<sup>6</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth<sup>®</sup> Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, wish thtp://hp.com/go/learnaboutsupplies.<sup>6</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth<sup>®</sup> Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, wish thtp://hp.com/go/learnaboutsupplies.<sup>6</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth<sup>®</sup> Low Energy (BLE) beaconing capabilities. Subscription of printers and HPPs to satisfy the demands of connected individuals or roups.<sup>8</sup> HP recommends that the number of pages per month of imaged output. This value provides a comparise (J/M/Y) declared yields based on ISO/EC 19752 and continuous printing. Actual yields vary considerably based on factors including supplies replacement intervals and device life over an extended warranty period.<sup>9</sup> Power requirements are based on the country/region

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