

# HP Color LaserJet Managed MFP E67650 series



This HP Color LaserJet MFP merges performance, energy efficiency, and the deepest security.<sup>1</sup>

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.<sup>1</sup>



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, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, 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>

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



## Series at a glance



<b>Model</b>	HP Color LaserJet Managed MFP E67650dh
<b>Product number</b>	3GY31A
<b>Functions</b>	Print, copy, scan, optional fax
<b>Print speeds (black and color)<sup>3</sup></b>	Letter/A4: Up to 50/47 pages per minute (ppm) A5 landscape: Up to 74 ppm
<b>Scan speeds (black and color)<sup>4</sup></b>	Simplex: Up to 75/69 ppm (letter/A4) Duplex: Up to 120/111 images per minute (ipm) (letter/A4)
<b>First page out (black and color)</b>	From ready: <sup>5</sup> As fast as 6.4/6.5 seconds (letter/A4) From sleep: <sup>6</sup> As fast as 8.9/9.0 seconds (letter/A4)
<b>100-sheet multipurpose tray, 550-sheet tray 2</b>	√
<b>Optional paper-handling accessories<sup>7</sup></b>	See Paper-handling accessories table below for details
<b>Input capacity (standard/maximum<sup>8</sup>)</b>	Up to 650/3,200 pages
<b>Managed Cartridge yields<sup>9</sup></b>	Black: ~32,200 pages; Color: ~28,000 pages
<b>Recommended Monthly Page Volume (RMPV)<sup>10</sup></b>	3,000 to 24,000 pages
<b>Recommended Monthly Scan Volume (RMSV)<sup>11</sup></b>	14,000 to 24,000 pages
<b>Wireless direct<sup>12</sup>/NFC touch-to-print<sup>13</sup>/BLE<sup>14</sup></b>	Optional
<b>Wireless networking<sup>15</sup></b>	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 test documents. For more information, see [hp.com/go/printerclaims](http://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 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>5</sup> Measured using ISO/IEC 17629. Exact speed varies depending on the system configuration, software application, driver, and document complexity. Learn more at [hp.com/go/printerclaims](http://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 tray 2. Add up to two additional 550-sheet paper feeders; or add one of the other accessories (1x550-sheet paper feeder with stand and cabinet, 3x550-sheet paper 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>8</sup> Purchase of optional paper trays required to reach maximum input capacity. <sup>9</sup> Average black declared yields based on ISO/IEC 19752 and continuous printing. Average color composite (C/M/Y) declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see [hp.com/go/learnaboutsups](http://hp.com/go/learnaboutsups). 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 warranty period. <sup>12</sup> Wireless direct printing can be added by purchasing the optional HP Jetdirect 3000w NFC/wireless direct accessory (J8030A). If selected, you cannot also select the HP Jetdirect 3100w BLE/NFC/Wireless Accessory (3JN69A) or HP Jetdirect 2900nw Print Server (J8031A). Mobile device needs to be connected directly to the signal of a wireless 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](http://hp.com/go/mobileprinting). <sup>13</sup> Touch-to-print can be added by purchasing 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](http://hp.com/go/businessmobileprinting). <sup>14</sup> Bluetooth® Low Energy is optional on the HP Color LaserJet Managed MFP E67650dh with the addition of the HP Jetdirect 3100w BLE/NFC/Wireless Accessory (3JN69A). If selected, you cannot also select the HP Jetdirect 2900nw Print Server (J8031A) or the HP Jetdirect 3000w NFC/Wireless Accessory (J8030A). Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license. <sup>15</sup> Wireless networking can be added with the selection of the optional HP Jetdirect 2900nw Print Server (J8031A). If selected, you cannot also select the HP Jetdirect 3100w BLE/NFC/Wireless Accessory (3JN69A) or HP Jetdirect 3000w NFC/Wireless Accessory (J8030A). Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections.

## 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](http://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.<sup>1,3</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.

### Accessories

P1B09A	HP Color LaserJet 550-sheet Paper Feeder
P1B10A	HP Color LaserJet 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 Cyan 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 LaserJet Enterprise MFP Managed
U9NY4E	HP 3 year 4 hour 9x5 Service w/DMR for Color LaserJet Enterprise MFP Managed
U9NZ0PE	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 LaserJet Enterprise MFP Managed

<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, see <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.

# HP Color LaserJet Managed MFP E67650 series

HP Color LaserJet Managed MFP E67650dh (3GY31A)	
<b>Technical Specifications</b>	Print, copy, scan and optional fax
<b>AIO functions</b>	
<b>Print speed</b>	<b>Letter:</b> Up to 50 ppm black; Up to 50 ppm color; <b>A4:</b> Up to 47 ppm black; Up to 47 ppm color <sup>1,5</sup> ; <b>FirstPageOutLetter:</b> As fast as 6.4 sec black; As fast as 6.4 sec color; <b>FirstPageOutA4:</b> As fast as 6.5 sec black; As fast as 6.5 sec color <sup>1,3</sup> ; <b>Print Speed Black (Landscape, A5):</b> Up to 74 ppm black; Up to 74 ppm color <sup>1,4</sup>
<b>Print resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi; <b>Colour (best):</b> Up to 1200 x 1200 dpi
<b>Print Technology</b>	Laser; <b>Print Resolution Technologies:</b> 600 x 600 dpi; HP ImageRet 3600, HP ProRes 1200 (1200 x 1200 dpi), Pantone® Calibrated
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Standard Print Languages</b>	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™
<b>Printer Smart Software Features</b>	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB, HP EasyColor
<b>Printer Management</b>	HP Printer Assistant; HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)
<b>Scan Type / Technology</b>	<b>Type:</b> Flatbed, ADF
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> Up to 600 dpi
<b>Scan File Format</b>	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, .pdl, .cht)
<b>Scan Input Modes</b>	Front panel applications: Copy; E-mail; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OxP) applications, HP Scan or user application via TWIN
<b>Scan Size</b>	<b>ADF:</b> 8.5 x 34.0 in Maximum; 2.7 x 5.8 in Minimum; <b>Flatbed:</b> 8.5 x 14 in
<b>Scan Speed</b>	Up to 75 ppm/120 ipm (b&w), up to 75 ppm/120 ipm (color); <b>Duplex:</b> Up to 120 ipm (b&w), up to 120 ipm (color) <sup>12</sup>
<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
<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 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; Compact PDF
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 50 cpm; <b>Color (letter):</b> Up to 50 cpm; <b>First Copy Out (Letter):</b> As fast as 6.6 sec black; As fast as 7.1 sec color <sup>16</sup>
<b>Copy Resolution</b>	<b>Black (text and Graphics):</b> 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, job build, edge-to-edge, job storage, ID Copy, Book Copy, A-to-B Copy (different media sizes)
<b>Standard Connectivity</b>	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket
<b>Network Capabilities</b>	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).
<b>Wireless Capability</b>	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 3100w BLE/NFC/Wireless Accessory 3JN69A, Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A
<b>Mobile Printing Capability</b>	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified; Roam capable for easy printing <sup>6</sup>
<b>Memory</b>	<b>Standard:</b> 1.5 GB (printer); 512 MB (scanner); <b>Maximum:</b> 3 GB Max memory, when Accessory DIMM is installed
<b>Processor Speed</b>	1.2 GHz / <b>Hard disk:</b> Standard, minimum 500 GB HP High-Performance Secure Hard Disk
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 150,000 pages <sup>7</sup> ; <b>Recommended Monthly Page Volume:</b> 3000 to 24,000 <sup>8</sup>
<b>Paper Handling</b>	<b>Input Capacities:</b> 100-sheet multi-purpose tray, 550-sheet input tray 2, 150-sheet automatic document feeder; Up to 650 sheets standard; MP Tray: Up to 10 envelopes (or 10mm stack height) labels legal; <b>Output Capacities:</b> 500-sheet output tray, two-sided printing; Up to 500 Sheets standard labels legal; <b>Duplex Options:</b> Automatic (standard) <b>Auto Document Feeder Capacity:</b> Standard, 150 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2; <b>Media Types Supported:</b> Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), color transparency, labels, letterhead, envelope, preprinted, pre punched, colored, rough, opaque film, user-defined; <b>Media Weight Supported:</b> Tray 1: 16 to 58 lb (plain) 32 to 58 lb (glossy); Tray 2: 16 to 90 lb (plain) 32 to 58 lb (glossy); <b>Media Sizes Supported:</b> Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet trays: letter, legal, executive, statement, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 2000-sheet tray: letter, legal; <b>Media Sizes Custom:</b> 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 2000-sheet tray: custom sizes not supported
<b>Product Dimensions</b>	<b>W x D x H:</b> 20.08 x 21.85 x 25.91 in; <b>Maximum:</b> 37.91 x 30.31 x 35.83 in
<b>Product Weight</b>	94.4 lb <sup>3</sup>
<b>What's in the box</b>	HP Color LaserJet Managed 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>
<b>Replacement Cartridges</b>	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) W9032MC; HP Magenta Managed LaserJet Toner Cartridge (~28,000 pages) W9033MC <sup>3</sup>
<b>Warranty Features</b>	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://hp.com/support">hp.com/support</a> to learn about HP award winning service and support options in your region. (wty code 4G)
<b>Energy Efficiency Compliance</b>	ENERGY STAR® qualified; EPEAT® Silver; CECP <sup>1</sup>
<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)
<b>Display Description</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)
<b>Software Included</b>	No software solutions are included in the Box, only on <a href="http://hp.com">http://hp.com</a> , <a href="http://123.hp.com">http://123.hp.com</a>
<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 Fonts 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>	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS Mojave v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver, For more information on the supported operating systems go to <a href="http://support.hp.com">http://support.hp.com</a> , Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) User Guide, Search for the Supported Operating Systems section, UPD PCL6 / PS Printer Drivers, Supported Operating systems. For more information on the supported operating systems see <a href="http://www.hp.com/go/upd">http://www.hp.com/go/upd</a>
<b>Compatible Network Operating Systems</b>	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see <a href="http://citrixready.citrix.com">http://citrixready.citrix.com</a> , Linux- For more information see <a href="http://developers.hp.com/hp-linux-imaging-and-printing">http://developers.hp.com/hp-linux-imaging-and-printing</a> , Unix- For more information see <a href="http://hp.com/go/unixmodelscripts">http://hp.com/go/unixmodelscripts</a> , UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see <a href="http://hp.com/go/upd">http://hp.com/go/upd</a>
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com; <b>MAC:</b> 2 GB available hard drive space, Internet connection or USB port, OS hardware requirements see apple.com
<b>Power</b>	<b>PowerSupplyType:</b> built-in 115V or 220V Power Supply; <b>PowerRequirements:</b> Input voltage: 100V to 127V nominal (+/-10%), 50 - 60 Hz nominal (+/-3 Hz), 12 A; Input voltage: 220V to 240V nominal (+/-10%), 50 - 60 Hz nominal (+/-), 6 A; <b>PowerConsumption:</b> 900 watts (printing/copying), 47 watts (ready), 0.9 watts (sleep), 0.9 watts (Auto Off/Manual On), 0.1 (Manual Off) <sup>9</sup> <b>Typical Electricity Consumption (TEC) number:</b> ES: 2.72 kWh/Week; BA: 2.68 kWh/Week <sup>9</sup> ; <b>Best Technical Electricity Consumption (TEC):</b> 2.24 kWh/Week <sup>10</sup>
<b>Acoustics</b>	<b>AcousticPowerEmissions:</b> 6.6 B(A); <b>AcousticPressureEmissions:</b> 52 dB(A) <sup>11</sup>
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 50 to 90.5°F; <b>Recommended Operating Temperature:</b> 59 to 80.6°F; <b>Storage Temperature Range:</b> -4 to 104°F; <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 3rd 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; 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; 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 accessible in ArcSight and Splunk SIEMs

<sup>1</sup> EPEAT® 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) pages. Average black declared yields based on ISO/IEC 19752 and continuous printing. Average color composite (C/M/Y) 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>. <sup>3</sup> With print cartridges <sup>4</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. Power consumption values typically based on measurement of 115V device. <sup>5</sup> Average black declared yields based on ISO/IEC 19752 and continuous printing. Average color composite (C/M/Y) 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>. <sup>6</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit <http://hp.com/go/roam>. <sup>7</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPS to satisfy the demands of connected individuals or groups. <sup>8</sup> HP recommends that the number of pages per month of imaged output 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>9</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>10</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. <sup>11</sup> FCC Class A emissions - for use in commercial environments, not residential environments. <sup>12</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. <sup>13</sup> 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. <sup>14</sup> Measured using ISO 24734 Feature Test, AS Landscape Feed. Speed may vary based on content, PC, media orientation, and media type. <sup>15</sup> 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. <sup>16</sup> First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, 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 and document complexity.

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