

# HP Color LaserJet Managed E65050dn



This HP Color LaserJet with JetIntelligence merges performance, energy efficiency, and security.<sup>1</sup>

HP Managed MFPs are optimized for managed environments. Offering increased monthly page volumes and fewer interventions, this product can help reduce printing and copying costs. See your HP Authorized Reseller for details.



HP Color LaserJet Managed E65050dn

#### 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.
- 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.<sup>2</sup>
- Give workgroups what they need to succeed. Easily choose and deploy over 175 HP and third-party solutions.

#### High speed performance meets energy efficiency

- Speed through tasks and save paper. Print two-sided documents at up to 50 images per minute.<sup>3</sup>
- This printer wakes up fast and prints your first page faster—in as quickly as 8.4 seconds.<sup>4</sup>
- This printer uses exceptionally low amounts of energy thanks to its innovative design and toner technology.<sup>5</sup>
- Paper handling options include a wheeled stand and 550-sheet input feeder for paper sizes 4 x 6" to legal.

#### More Pages, Performance, and Protection<sup>6</sup>

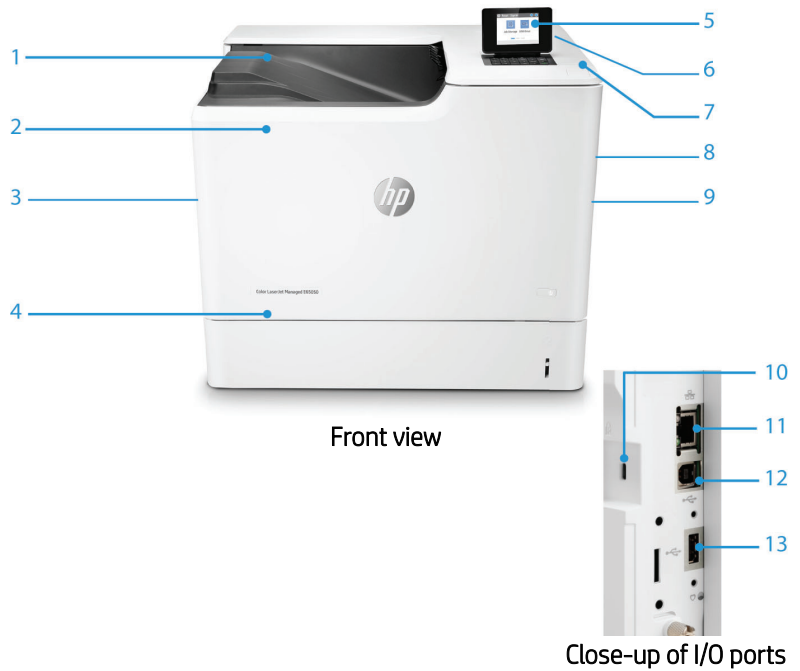
- ColorSphere3 toner formulation, combined with an automatic media sensor, help provide leading print quality.
- Original HP Toner cartridges with JetIntelligence supply 3X more color pages per cartridge vs. predecessor.<sup>6</sup>
- Help retain the Original HP quality you paid for with anti-fraud and cartridge authentication technology.
- Spend less time replacing toner, and more on business. Choose high-yield toner cartridges.<sup>7</sup>

<sup>1</sup> 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 <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> HP Web Jetadmin is available for download at no additional charge at <http://www.hp.com/go/webjetadmin> <sup>3</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>4</sup> Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep. <sup>5</sup> Energy claim based on TEC data reported on [energystar.gov](http://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. <sup>6</sup> More pages versus predecessor cartridges claim based on page-yield comparison of HP 647A and HP 648A Color Original LaserJet Toner Cartridges with HP Color Managed LaserJet Toner Cartridges. For more information, see <http://www.hp.com/go/learnaboutsupplies> <sup>7</sup> HP Managed LaserJet Toner Cartridges not included; please purchase separately.

## HP Color LaserJet Managed E65050dn

### Product walkaround

1. 500-sheet output bin
2. Front door access to toner cartridges
3. Built-in automatic two-sided printing
4. 550-sheet tray 2
5. 2.7-inch (6.9 cm) color graphics display with keypad
6. Hardware Integration Pocket<sup>1</sup>
7. Easy-access USB port<sup>2</sup>
8. 100-sheet multipurpose tray 1
9. Lower right door (access to print path)
10. Slot for cable-type security lock
11. Built-in Gigabit Ethernet port
12. Hi-Speed USB 2.0 printing port
13. USB port for connecting external USB devices



### Series at a glance



<b>Model</b>	<b>HP Color LaserJet Managed E65050dn</b>
<b>Product number</b>	L3U55A
<b>Print speeds, black and color (letter/A4)<sup>3</sup></b>	Up to 50/47 pages per minute (ppm)
<b>100-sheet multipurpose tray 1, 550-sheet tray 2</b>	✓
<b>1x550-sheet paper feeder<sup>4</sup></b>	Optional (up to two)
<b>1x550-sheet paper feeder with stand and cabinet<sup>4</sup></b>	Optional
<b>3x550-sheet paper feeder and stand<sup>4</sup></b>	Optional
<b>1x550 and 2,000-sheet HCI feeder and stand<sup>4</sup></b>	Optional
<b>Wireless direct,<sup>5</sup> NFC touch-to-print<sup>6</sup></b>	Optional
<b>Wireless networking<sup>7</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> The printer 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 letter size (A4). <sup>5</sup> Add wireless direct by purchasing the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. 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>6</sup> Add touch-to-print capability 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>7</sup> Add wireless networking by purchasing the optional HP Jetdirect 2900nw Print Server. 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.

### Next Business Day Onsite with Defective Media Retention:

Customers can retain their hard disk drive and keep control of sensitive data.

### Same Day Onsite – 4 hour 9x5:

Sends an HP technician to customers' site the same business day for repair, within 4 hours, if the issue cannot be resolved through remote support. Various support window times are available, for different requirements.

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</sup>

With speeds up to 50 pages per minute<sup>3</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.

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

### 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,
J8031A	HP Jetdirect 2900nw Print Server
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory
F5S62A	HP Trusted Platform Module Accessory
B5L28A	HP Internal USB Ports
B5L29A	HP Secure High Performance Hard Disk Drive
E5K48A	HP 1GB DDR3 x32 144-Pin 800MHz SODIMM

### Supplies

P1B92A	HP LaserJet 220V Maintenance Kit
P1B93A	HP LaserJet Image Transfer Belt Kit
P1B94A	HP LaserJet Toner Collection Unit

### Services

U9PD2E	HP 3 year NBD HW Support w/Defective Media Retention for Color LaserJet Enterprise E650xx Managed
U9PD5E	HP 3 year 4 hour 9x5 Hardware Support w/DMR for Color LaserJet Enterprise E650xx Managed
U9PE1PE	HP 1 year Post Warranty NBD Hardware Support w/DMR for Color LaserJet Enterprise E650xx Managed
U9PE3PE	HP 1 year Post Warranty 4 hour 9x5 HW Support w/DMR for Color LaserJet Enterprise E650xx Managed

<sup>1</sup> 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 <http://www.hp.com/go/PrintersThatProtect>. For more information: <http://www.hp.com/go/printersecurityclaims> <sup>2</sup> HP Web Jetadmin is available for download at no additional charge at <http://www.hp.com/go/webjetadmin> <sup>3</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>4</sup> Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep. <sup>5</sup> Energy claim based on TEC data reported on [energystar.gov](http://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. <sup>6</sup> More pages versus predecessor cartridges claim based on page-yield comparison of HP 647A and HP 648A Color Original LaserJet Toner Cartridges with HP Color Managed LaserJet Toner Cartridges. For more information, see <http://www.hp.com/go/learnaboutsupplies> <sup>7</sup> HP Managed LaserJet Toner Cartridges not included; please purchase separately.

# HP Color LaserJet Managed E65050dn

HP Color LaserJet Managed E65050dn (L3U55A)	
Technical Specifications	
Print speed	<b>Letter:</b> Up to 50 ppm black; Up to 50 ppm color <sup>8</sup> ; <b>First Page Out Black:</b> As fast as 6.4 sec; <b>First Page Out Color:</b> As fast as 6.4 sec <sup>10</sup>
Print resolution	<b>Black (best):</b> Up to 1200 x 1200 dpi; <b>Colour (best):</b> Up to 1200 x 1200 dpi
Print Technology	Laser; <b>Print Resolution Technologies:</b> 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 5c; 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 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
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
Network Capabilities	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
Mobile Printing Capability	HP ePrint; Apple AirPrint™; Mopria-certified <sup>7</sup>
Memory	<b>Standard:</b> 1 GB; <b>Maximum:</b> 2 GB
Processor Speed	1.2 GHz / <b>Hard disk:</b> Optional, 500 GB (with accessory B5L29A)
Duty Cycle	<b>Monthly, letter:</b> Up to 150,000 pages <b>Recommended Monthly Page Volume:</b> 3000 to 24,000
Paper Handling	<b>Input Capacities:</b> 100-sheet multi-purpose tray, 550-sheet input tray 2; Up to 650 sheets standard labels legal; <b>Output Capacities:</b> 500-sheet output bin; Up to 500 sheets standard labels legal; <b>Duplex Options:</b> Automatic (standard); <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, prepunched, 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 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); <b>Media Sizes Supported:</b> Tray 1: letter, legal, executive, statement, Oficio, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 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 550-sheet 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; <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 2,000-sheet high-capacity tray: custom sizes not supported in this tray
Product Dimensions	<b>W x D x H:</b> 20.08 x 18.03 x 18.98 in; <b>Maximum:</b> 37.91 x 30.31 x 18.98 in
Product Weight	68.8 lb
What's in the box	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; <sup>2</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.
Energy Efficiency Compliance	ENERGY STAR® qualified; EPEAT® Silver; CECP
Control Panel	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable angle) display with 24-key pad
Display Description	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable 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 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>
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 <a href="http://www.novell.com/iprint">www.novell.com/iprint</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/iprint">www.novell.com/iprint</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ 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)
Minimum System Requirements	<b>PC:</b> 2 GB available hard disk space, OS hardware requirements see microsoft.com; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info
Power	<b>Power Supply Type:</b> Built in 115V or 220V Power Supply (not dual voltage, power supply varies by part number with option code identifier); <b>Power Requirements:</b> Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/-3Hz), 12 A; Input voltage: 220V to 240V nominal, (+/-10%) 50 - 60Hz nominal (+/-3Hz), 6 A; <b>Power Consumption:</b> 690 watts (printing), 31 watts (ready), 0.7 watts (sleep), 0.7 watts (Auto Off/Manual On), 0.1 (Manual Off) <sup>3</sup>
Acoustics	<b>Acoustic Power Emissions:</b> 6.8 dB(A); <b>Acoustic Pressure Emissions:</b> 53 dB(A)
Operating Environment	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 63.5 to 77°F; <b>Storage Temperature Range:</b> -4 to 104°C; <b>Non-Operating Humidity Range:</b> 10 to 90% RH; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Humidity Operating Range:</b> 30 to 70% RH
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; and Kerberos authentication; Supports WIA-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> Cartridges included; yields 10,500 color (C/M/Y) 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. <sup>3</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. <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. Energy Star value typically based on measurement of 115V device. <sup>5</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. <sup>6</sup> 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>. <sup>7</sup> May require a firmware upgrade to be compatible, download at <http://www.hp.com/go/support> <sup>8</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>9</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type. <sup>10</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>11</sup> Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep. <sup>12</sup> eMMC is non-volatile storage; Firmware encryption (AES 128 or AES 256) of customer/job data; Secure Cryptographic Erase - Job Data; Secure Erase - Disk <sup>13</sup> Original HP LaserJet "A" and "X" toner cartridges are also compatible with this product. <sup>14</sup> 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>

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

