



HP Color LaserJet Managed E65160dn

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



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



High speed performance meets energy efficiency

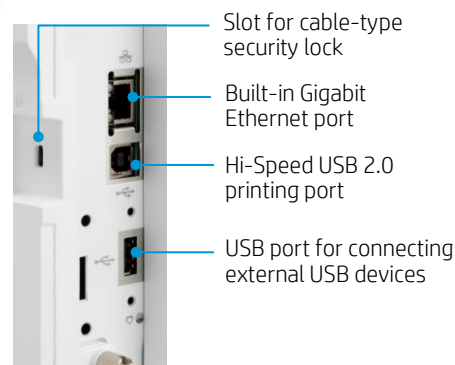
- Speed through tasks and save paper. Print two-sided documents at up to 60 images per minute.³
- This printer wakes up fast and prints your first page fast.⁴
- This printer uses exceptionally low amounts of energy thanks to its innovative design and toner technology.⁵
- Paper handling options include a wheeled stand and 550-sheet input feeder for paper sizes 4" x 6" to legal .



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.⁶
- Help retain the Original HP quality you paid for with anti-fraud and cartridge authentication technology.

Product Walkaround



Rear I/O panel close-up

At a glance

Model (product number)	E65160dn (3GY04A)
Functions	Print
Print speeds (black and colour) ³	A4: Up to 56 pages per minute (ppm)
First page out (A4, black and colour)	From ready: ⁴ As fast as 5.8 seconds From sleep: ⁵ As fast as 7.8 seconds
100-sheet multipurpose tray 1, 550-sheet tray 2	✓
Input capacity (standard/maximum ⁷)	Up to 650/3,200 pages
Managed Cartridge yields ⁸	Black: ~32,200 pages Colour: ~28,000 pages
Recommended Monthly Page Volume (RMPV) ⁹	4,000 to 30,000 pages
Wireless direct ¹⁰ /NFC touch-to-print ¹¹ /BLE ¹²	Optional
Wireless networking ¹³	Optional

¹ Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.

² An administrator must enable the easy-access USB port before use.

³ Measured using ISO/IEC 24734; excludes first set of test documents. For more information, see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

⁴ 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.

⁵ Measured after 15 minutes in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity, and time in sleep.

⁶ 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 HCl feeder and stand). All optional accessories support media sizes up to 216 x 356 mm.

⁷ Purchase of optional paper trays required to reach maximum input capacity.

⁸ Average black declared yields based on ISO/IEC 19752 and continuous printing. Average colour 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/learnabouthsupplies. HP Managed Cartridges are not included in printer purchase; purchase separately.

⁹ 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.

¹⁰ 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.

¹¹ 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.

¹² Bluetooth® Low Energy is optional on the HP Color LaserJet Managed E65160dn 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 licence.

¹³ 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.

Technical specifications

Product name	HP Color LaserJet Managed E65160dn
Product number	3GY04A
Functions	Print
Print	
Duplex printing	Automatic (standard)
Print speed ¹⁵	Black (A4, normal) : Up to 56 ppm; Colour (A4, normal) : Up to 56 ppm; Black (A4, duplex) : Up to 56 ipm; Colour (A4, duplex) : Up to 56 ipm; Black (letter, normal) : Up to 60 ppm; Black (letter, duplex) : Up to 60 ipm; Colour (letter, normal) : Up to 60 ppm; Colour (letter, duplex) : Up to 60 ipm
First page out ¹³	Black (A4, ready) : As fast as 5.8 sec; Colour (A4, ready) : As fast as 5.8 sec; Black (A4, sleep) : As fast as 7.8 sec; Colour (A4, sleep) : As fast as 7.8 sec
Print technology	Laser
Print resolution	Black (best) : Up to 1200 x 1200 dpi; Black (normal) : Up to 600 x 600 dpi; Colour (best) : Up to 1200 x 1200 dpi; Colour (normal) : Up to 600 x 600 dpi
Print resolution technology	600 x 600 dpi; HP ImageRet 3600, 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 5 (HP PCL 5 driver available from the Web only), HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
Printer management	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)
Connectivity	
Standard connectivity	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket
Mobile printing capability ⁸	Apple AirPrint™; Google Cloud Print™; HP ePrint; HP Roam; Mopria™ Certified
Wireless 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 3100w BLE/NFC/Wireless Accessory 3JN69A, Dual band Wireless Station functionality available with HP Jetdirect 2900w Print Server J8031A
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).
Memory	Standard : 1 GB; Maximum : 2 GB MAX memory, when Accessory DIMM is installed
Hard disk	Optional, 500 GB (with accessory B5L29A)
Processor speed	1.2 GHz
Paper handling	
Duty cycle (monthly)	Duty cycle (monthly, A4) : Up to 180,000 pages; Recommended monthly page volume : 4,000 to 30,000
Input capacity	100-sheet multi-purpose tray, 550-sheet input tray 2; Optional 550-sheet paper feeder, optional 550-sheet Paper Feeder with Stand and Cabinet, optional 3x550-sheet Paper Feeder with Stand, optional 550/2000-sheet HCL Feeder and Stand
Output capacity	500-sheet output bin
Number of paper trays	Standard : 2; Maximum : Up to 5
Media types	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
Media weight	Tray 1: 60-220 g/m ² (plain), 120 to 220 g/m ² (glossy); Tray 2: 60 to 163 g/m ² (plain), 120 to 220 g/m ² (glossy); Optional Trays 3, 4, 5 1x550-sheet feeders: 60 to 163 g/m ² (plain), 120 to 220 g/m ² (glossy); Optional Tray 4 2,000 high capacity input: 60-163 g/m ² (plain)
Media size	Custom (metric) : Tray 1: 76 x 127 to 216 x 356 mm; Tray 2: 101.6 x 148 to 216 x 356 mm; Optional 550-sheet trays: 101.6 x 148 to 216 x 356 mm; Optional 2000-sheet tray: custom sizes not supported; Supported (metric) : Tray 1: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340), 16K, Postcard (JIS single and double), envelopes (B5, C5, C6, DL); Tray 2: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340), 16K, DPostcard (JIS); Optional 550-sheet trays: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340), 16K, DPostcard (JIS); Optional 2000-sheet tray: A4
Printer dimensions (W x D x H)	510 x 458 x 440 mm
Printer weight²	31.25 kg
Software included	No software solutions are included in the Box, only on http://hp.com , http://1123.hp.com
What's in the box²	HP Color LaserJet Printer; HP Black, Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (toner cartridges installed); Documentation (Hardware Install Guide); Power cord; Fixed-Size Cassette Guides
Warranty	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. (lwy code 4G)
Systems	
Compatible operating systems ¹²	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 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 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 www.hp.com/go/upd
Minimum system requirements	Windows : 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
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; HTTIPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft); Secure Erase; SSL/TLS (HTTIPS); 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
Fonts and typefaces	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP Postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at http://www.hp.com/go/laserjetfonts
Control panel	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button
Display	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)
Power⁴	Requirements : 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; Consumption : 780 watts (printing), 31 watts (ready), 0.7 watts (sleep), 0.7 watts (Auto Off/Manual On), 0.1 (Manual Off); Typical Electricity Consumption (TEC)⁵ : ES: 2.49 kWh/Week; BA: 2.27 kWh/Week; Power supply type : Internal (built-in) 115V or 220V Power Supply (Not dual voltage, power supply varies by part number with # Option code identifier)
Operating environment	Operating temperature range : 10 to 32.5°C; Recommended operating temperature range : 15 to 27°C Operating humidity range : 10 to 80% RH; Recommended operating humidity range : 30 to 70% RH
Acoustics	Acoustic power emissions : 6.8 B(A); Acoustic power emissions (ready) : 4.6 B(A); Acoustic pressure emissions : 53 dB(A); Acoustic pressure emissions bystander (ready) : 33 dB(A)
Safety approvals and requirements	IEC 60950-1:2005 +A1:2009 +A2:2013 (International); EN60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013 (EU); EN 60825-1:2014/IEC 60825-1:2014 (Class 1 Laser Product); EN 62479:2010/IEC 62479:2010; Low Voltage Directive 2014/35/EU with CE Mark (Europe); GS Certificate (Germany, Europe); UL/cUL Listed and UC CoC (US/Canada); CAN/CSA C22.2 No. 60950-1-07 2nd Ed. 2011-12; Compliance with Laser safety standards 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser notice No. 50, Dated June 24, 2007; Other safety approvals as required by individual countries
Supported network protocols	Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, HP ePrint, FTP Print, Google Cloud Print; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPS, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x

Ordering information

Accessories

Number	Description
3JN69A	HP Jetdirect 3100w BLE/NFC/Wireless Accessory
4QL32A	HP Legic Secure USB Reader
B5L28A	HP Internal USB Ports
B5L29A	HP High-Performance Secure Hard Disk
E5K48A	HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM
E5K49A	HP 2 GB x32 144-pin (800 MHz) DDR3 SODIMM
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 LaserJet 1x550/2000-sheet HCI Feeder and Stand
X3D03A	HP Universal USB Proximity Card Reader
Y7C05A	HP HIP2 Keystroke Reader

HP Care Packs

Number	Description
U9PD2E	HP 3 year Next Business Day w/DMR Service for Color LaserJet E650xx E651xx Managed
U9PD3E	HP 4 year Next Business Day w/DMR Service for Color LaserJet E650xx E651xx Managed
U9PD4E	HP 5 year Next Business Day w/DMR Service for Color LaserJet E650xx E651xx Managed

Protect your investment with HP Care Pack. Let HP certified engineers resolve your technical issues. For more details on HP Care Pack, go to hp.com/go/cpc

Supported paper

Contact HP via phone: Asia: 65 6253 8500



Windows 10



HP Care Pack

Original HP ink cartridges and maintenance supplies

Number	Description
W9000MC	HP Black Managed LaserJet Toner Cartridge (Up to 32,200 pages)
W9001MC	HP Cyan Managed LaserJet Toner Cartridge (Up to 28,000 pages)
W9002MC	HP Yellow Managed LaserJet Toner Cartridge (Up to 28,000 pages)
W9003MC	HP Magenta Managed LaserJet Toner Cartridge (Up to 28,000 pages)
P1B91A	HP LaserJet 110V Fuser Kit
P1B92A	HP LaserJet 220V Fuser Kit
P1B93A	HP LaserJet Image Transfer Belt Kit
P1B94A	HP LaserJet Toner Collection Unit

This printer uses newer generation HP cartridges identifiable by a "P" at the end of the cartridge lot number. More at www.hp.com/go/learnaboutsupplies

HP Inc. offices

Australia	(613) 8833 5000	hp.com.au
China	(010) 6564 3888	hp.com.cn
Hong Kong	(852) 3077 2688	hp.com.hk
India	(80) 2612 9000	hp.com/in
Indonesia	(62-21) 5799 1088	hp.com/id
Korea	(02) 2199 0114	hp.co.kr
Malaysia	(603) 2332 3333	hp.com.my
New Zealand	(09) 918 9555	hp.co.nz
Philippines	(632) 888 5900	hp.com/ph
Singapore	(65) 6275 3888	hp.com.sg
Taiwan	(02) 3789 9900	hp.com.tw
Thailand	(662) 353 9500	hp.com/th
Vietnam	(848) 3823 4151	hp.com/vn

For the following countries, please fax your queries to (65) 6275 6707 Bangladesh, Bhutan, Brunei, Cambodia, Maldives, Nepal, Pakistan, Sri Lanka

Solutions

For more solutions information, please visit hp.com/go/gsc

Footnotes

- ¹ Based on HP review of 2018 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit 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.
- ⁴ Based on HP Internal Testing.
- 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. Actual results may vary.
- ⁶ HP 656X High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately.

Technical specifications disclaimers

- ¹ EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.
- ² 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>.
- ³ With print cartridges.
- 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. Power consumption values typically based on measurement of 115 V device.
- ⁵ 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 115 V device.
- ⁶ Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.
- ⁷ 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>.
- ⁸ 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>
- ⁹ Acoustic Values are subject to change. Configuration tested: base model, simplex printing, A4 paper at an average of 57 ipm.
- ¹⁰ 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.
- ¹¹ 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.
- ¹² Solution software available on <http://www.123.hp.com>
- ¹³ 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.
- ¹⁴ Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.
- ¹⁵ 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.

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