



# HP Color LaserJet Managed E65160dn (3GY04A)



## Overview

**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 printing[1]**

With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.

### **Pages, Performance, and Protection.**

Produce sharp text, bold blacks, and crisp graphics with precision black toner.

### **High speed performance meets energy efficiency**

Speed through tasks and save paper. Print two-sided documents at up to 60 images per minute.[3]

## Features

HP Sure Start

Run-time Intrusion detection

Whitelisting

HP Web Jetadmin<sup>[2]</sup>

Expand the capabilities of your printer

Eliminate the wait from your workday

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*[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](http://hp.com/go/PrintersThatProtect). For more information: [hp.com/go/printersecurityclaims](http://hp.com/go/printersecurityclaims).*

*[2] HP Web Jetadmin is available for download at no additional charge at [hp.com/go/webjetadmin](http://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.*

## Specifications

<b>Print Resolution Technologies</b>	600 x 600 dpi; HP ImageRet 3600, HP ProRes 1200 (1200 x 1200 dpi), Pantone© Calibrated
<b>Print quality black (best)</b>	Up to 1200 x 1200 dpi
<b>Print quality color (best)</b>	Up to 1200 x 1200 dpi
<b>Print speed black (ISO, A4)</b>	Up to 56 ppm
<b>Print speed black (ISO, letter)</b>	Up to 60 ppm
<b>Print Speed Color (ISO)</b>	Up to 56 ppm
<b>Print speed color (ISO)</b>	Up to 60 ppm
<b>Print speed</b>	Print speed up to 60 ppm (black) and 60 ppm (color)
<b>Bottom margin (A4)</b>	4.3 mm
<b>Left margin (A4)</b>	4.3 mm
<b>Right margin (A4)</b>	4.3 mm
<b>Top margin (A4)</b>	4.3 mm
<b>Functions</b>	Print
<b>Duplex printing</b>	Automatic (standard)
<b>Duty cycle (monthly, A4)</b>	Up to 180,000 pages
<b>Duty cycle (monthly, letter)</b>	Up to 180,000 pages <sup>[9]</sup>
<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>Energy savings feature technology</b>	HP Auto-On/Auto-Off Technology; Instant-on Technology
<b>Replacement cartridges</b>	HP Black Managed LaserJet Toner Cartridge (~32,200 yield) W9000MC; HP Cyan Managed LaserJet Toner Cartridge (~28,000 yield) W9001MC; HP Yellow Managed LaserJet Toner Cartridge (~28,000 yield) W9002MC; HP Magenta Managed LaserJet Toner Cartridge (~28,000 yield) W9003MC. This printer uses newer generation HP cartridges identifiable by a "P" at the end of the cartridge lot number. More at <a href="http://www.hp.com/go/learnaboutsupplies">www.hp.com/go/learnaboutsupplies</a> <sup>[7]</sup>
<b>Supplies feature</b>	HP JetIntelligence Cartridge
<b>Connectivity, standard</b>	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket
<b>Connectivity, optional</b>	HP Jetdirect 2900nw Print Server J8031A; HP Jetdirect 3000w NFC/Wireless Accessory J8030A; HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A
<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
<b>Network protocols, supported</b>	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
<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>Compatible Operating Systems</b>	Windows 11; Windows 10; Windows 8; Windows 8.1; Windows 7; Windows Client OS; Android; iOS; Mobile OS; macOS 10.12 Sierra; macOS 10.13 High Sierra; macOS 10.14 Mojave <sup>[1]</sup>
<b>Sustainable impact specifications</b>	Mercury free
<b>Energy star certified</b>	Yes
<b>Ecolabels</b>	CECP; Blue Angel; EPEAT® Silver registered; ENERGY STAR® certified <sup>[1]</sup>
<b>Blue Angel compliant</b>	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
<b>Display area (imperial)</b>	3.74 x 2.32 in
<b>Display area (metric)</b>	95.04 x 53.86 mm
<b>Display</b>	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)
<b>Minimum dimensions (W x D x H)</b>	510 x 458 x 440 mm
<b>Minimum dimensions (W x D x H)</b>	20.08 x 18.03 x 17.32 in
<b>Weight</b>	31.25 kg <sup>[3]</sup> (With print cartridges)
<b>Weight</b>	68.9 lb (With print cartridges)
<b>Power consumption</b>	780 watts (printing), 31 watts (ready), 0.7 watts (sleep), 0.7 watts (Auto Off/Manual On), 0.1 (Manual Off) <sup>[4]</sup>
<b>Power supply type</b>	Internal (built-in) 115V or 220V Power Supply (Not dual voltage, power supply varies by part number with # Option code identifier)
<b>What's in the box</b>	HP Color LaserJet Managed E65160dn Printer; HP Black Original LaserJet Toner Cartridge (~12,500 pages), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (~10,500 pages each); Documentation (Hardware Install Guide); Power cord; Fixed-Size Cassette Guides <sup>[2]</sup>
<b>Manufacturer Warranty</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)

## Additional specifications

<b>Accessories</b>	HP Color LaserJet 550-sheet Paper Feeder P1B09A, HP Color LaserJet 550-sheet Paper Feeder with Stand and Cabinet P1B10A, HP Color LaserJet 3x550-sheet Paper Feeder with Stand P1B11A, HP Color LaserJet 1x550/2000-sheet Feeder and Stand P1B12A, HP Internal USB Ports B5L28A, HP Secure High Performance Hard Disk Drive B5L29A, HP Jetdirect 2900nw Print Server J8031A, HP 1GB DDR3 x32 144-Pin 800MHz SODIMM E5K48A , Accessibility Assistant 2MU47A, HP Jetdirect 3000w NFC/Wireless Accy J8030A, HP JetDirect 3100w BLE/NFC/Wireless Accy 3JN69A, HP Removable Hard Drive Enclosure 2NR12A, HP USB Universal Card Reader X3D03A, HP HIP2 Keystroke Reader Y7C05A, HP Legic Reader 4QL32A, HP 2GB DDR3x32 144-Pin 800MHz SODIMM Accy E5K49A
<b>Acoustic power emissions (active, printing)</b>	6.8 B(A)
<b>Acoustic power emissions (ready)</b>	4.6 B(A)
<b>Acoustic pressure emissions bystander (active, printing)</b>	53 dB(A)
<b>Acoustic pressure emissions bystander (ready)</b>	33 dB(A)
<b>Additional information about HP</b>	<a href="http://www.hp.com">http://www.hp.com</a>
<b>Additional information about HP in the countries</b>	<a href="http://hp.com">hp.com</a>
<b>Automatic paper sensor</b>	Yes
<b>Best technical electricity consumption (TEC)</b>	2.27 kWh/Week <sup>[6]</sup>
<b>Best technical electricity consumption (TEC) footnote</b>	Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.
<b>Business filter</b>	cMPS
<b>Cable included</b>	No, please purchase (USB) cable separately
<b>Capacity</b>	8 GB eMMC
<b>Cartons per layer</b>	2
<b>Color or black</b>	Color
<b>Compatible Network Operating Systems</b>	Windows 11; Windows 8; Windows 7; Windows Server; Linux; Citrix; UNIX
<b>Component type</b>	Printer
<b>Consumables C02e (kg)</b>	22
<b>Control panel</b>	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button
<b>Count of layers in pallet</b>	AMS, APJ: 4; EMEA: 3
<b>Country of origin</b>	Product of Japan, Assembled in China (#AB2); Product of Japan, Assembled in Mexico (#AKV); Made in Japan (other options)
<b>Datasheet photo 1</b>	<a href="#">Publication photos/3GY04A.jpg</a>

<b>Datasheet photo 4</b>	Publication photos/E65160dn walkaround.jpg
<b>Downloadable software</b>	<p>From <a href="http://123.hp.com">http://123.hp.com</a>, HP Easy Start (Guided Software Install for Windows and Mac); From <a href="http://hp.com">http://hp.com</a> for Windows OS, Full-solution software and drivers, Basic-solution software and drivers, HP PCL6 XPS Discrete Print Driver, Product Documentation and Support; From <a href="http://hp.com">http://hp.com</a> for Mac OS, HP Easy Start (Guided Software Install), HP Mac PS Print Driver, HP Easy Admin; For Mobile OS, iOS For more information see <a href="http://hp.com/go/businessmobileprinting">http://hp.com/go/businessmobileprinting</a>, Android For more information see <a href="http://hp.com/go/businessmobileprinting">http://hp.com/go/businessmobileprinting</a>; From <a href="http://hp.com">http://hp.com</a> for printer administrators, Printer Administrator Resource Kit (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator), HP Universal Print Drivers PCL6 GDI &amp; PS GDI for Windows, HP ePrint Software (Mobile Driver for Windows), SAP Print Drivers for more information see <a href="http://support.hp.com/us-en/document/c05051702">http://support.hp.com/us-en/document/c05051702</a>, HP Web JetAdmin, HP JetAdvantage Security Manager, HPLIP Linux Printer Driver for more information see <a href="http://hplipopensource.com/hplip-web/index.html">http://hplipopensource.com/hplip-web/index.html</a>, Unix Model Script Printer Driver for more information see <a href="http://hp.com/go/unixmodelscripts">http://hp.com/go/unixmodelscripts</a>, ReadIris</p>
<b>Driver updates</b>	<p>Current HP printer drivers and software can be obtained from the HP Customer Care Web site: In the US, go to <a href="http://www.hp.com/support/colorljE65160">http://www.hp.com/support/colorljE65160</a>; Outside the US, go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> 1 Select the country/region 2 Select Software and Drivers 3 Select Printer 4 Enter a product name/number 5 The operating system is automatically detected 6 Select a driver or other software 7 Then select DOWNLOAD</p>
<b>Duty cycle note</b>	<p>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.</p>
<b>Dynamic security</b>	Dynamic security enabled printer
<b>Electromagnetic compatibility</b>	<p>CISPR 22:2008 (International) - Class A, CISPR32:2012 (International) - Class A, EN 55032: 2012 (EU) - Class A, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 55024: 2010, EMC Directive 2014/30/EU, FCC CFR 47 Part 15 Class A/ICES-003, Issue 6 Class A. Other EMC approvals as required by individual countries</p>
<b>End of Life CO2e (kg)</b>	0.4
<b>Energy Usage CO2e (kg)</b>	63
<b>Engine life</b>	800000
<b>Envelope Feeder</b>	No
<b>Finished output handling</b>	Sheetfed
<b>First page out black (A4, ready)</b>	As fast as 5.8 sec
<b>First page out black (A4, sleep)</b>	As fast as 7.8 sec
<b>First page out black (letter, ready)</b>	As fast as 5.7 sec
<b>First page out black (letter, sleep)</b>	As fast as 7.7 sec
<b>First page out color (A4, ready)</b>	As fast as 5.8 sec
<b>First page out color (A4, sleep)</b>	As fast as 7.8 sec

<b>First page out color (letter, ready)</b>	As fast as 5.7 sec
<b>First page out color (letter, sleep)</b>	As fast as 7.7 sec
<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>Input capacity</b>	Up to 650 sheets
<b>Internal Storage</b>	Optional, 500 GB (with accessory B5L29A)
<b>Mac compatible</b>	Yes
<b>Maximum Memory</b>	3 GB
<b>Maximum dimensions (W x D x H)</b>	37.91 x 30.31 x 20.16 in
<b>Maximum dimensions (W x D x H)</b>	963 x 770 x 512 mm
<b>Maximum input capacity (sheets)</b>	Up to 3,200 sheets
<b>Maximum metric depth</b>	770
<b>Maximum metric height</b>	512
<b>Maximum metric width</b>	963
<b>Maximum output capacity (sheets)</b>	Up to 500 sheets
<b>Maximum print area</b>	212 x 352 mm
<b>Media size, tray 1</b>	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); 76 x 127 to 216 x 356 mm
<b>Media size, tray 2</b>	A4; A5; A6; RA4; B5 (JIS); B6 (JIS); 10 x 15 cm; Oficio (216 x 340); 16K, DPostcard (JIS); 101.6 x 148 to 216 x 356 mm
<b>Media size, tray 3</b>	Optional 550-sheet trays: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340), 16K, DPostcard (JIS), 101.6 x 148 to 216 x 356 mm; Optional 2000-sheet tray: A4
<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 supported</b>	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
<b>Media sizes supported, key</b>	4 x 6 in; Letter; Legal; Envelopes
<b>Media sizes supported, key</b>	10 x 15 cm; A4; Envelopes
<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>Media sizes, custom</b>	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
<b>Media type and capacity, tray 1</b>	Sheets: 100; transparencies: 50; envelopes: 10
<b>Media type and capacity, tray 2</b>	Sheets: 550
<b>Media types</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 (tray 1)</b>	60-220 g/m <sup>2</sup> (plain), 120 to 220 g/m <sup>2</sup> (glossy)
<b>Media weight (tray 2)</b>	60 to 163 g/m <sup>2</sup> (plain); 120 to 220 g/m <sup>2</sup> (glossy)
<b>Media weight (tray 3)</b>	1x550 feeders: 60 to 163 g/m <sup>2</sup> (plain), 120 to 220 g/m <sup>2</sup> (glossy); 2,000-sheet high capacity input tray 4: 60 to 163 g/m <sup>2</sup> (plain)
<b>Media weight, supported</b>	Tray 1: 60-220 g/m <sup>2</sup> (plain), 120 to 220 g/m <sup>2</sup> (glossy); Tray 2 and automatic two-sided printing unit: 60 to 163 g/m <sup>2</sup> (plain), 120 to 220 g/m <sup>2</sup> (glossy); Optional Trays 3, 4, 5 1x550-sheet feeders: 60 to 163 g/m <sup>2</sup> (plain), 120 to 220 g/m <sup>2</sup> (glossy); Optional Tray 4 2,000 high capacity input: 60-163 g/m <sup>2</sup> (plain)
<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>Memory</b>	1 GB
<b>Memory Slots</b>	1 slot, 144-pin DDR2 DIMM
<b>Memory maximum note</b>	Maximum physical memory present is reported. Actual usable amount by firmware might be less.
<b>Memory upgrade</b>	Expandable to 3 GB through one 144-pin DDR3 DIMM slot
<b>Metric depth</b>	458
<b>Metric height</b>	440
<b>Metric width</b>	510
<b>Minimum System Requirements</b>	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com
<b>Minimum System Requirements for Macintosh</b>	2 GB available hard drive space, Internet connection or USB port, OS hardware requirements see apple.com
<b>Model number</b>	E65160dn
<b>Number of print cartridges</b>	4 (1 each black, cyan, magenta, yellow)
<b>Number of users</b>	10-30 Users
<b>Operating humidity range</b>	10 to 80% RH
<b>Operating temperature range</b>	15 to 30°C
<b>Operating temperature range</b>	59 to 86°F
<b>Orderable supplies</b>	HP LaserJet 110V Maintenance Kit P1B91A, HP LaserJet 220V Maintenance Kit P1B92A, HP LaserJet Image Transfer Belt Kit P1B93A, HP LaserJet Toner Collection Unit P1B94A



<b>Output capacity</b>	Up to 500 sheets
<b>Package dimensions (W x D x H)</b>	25.7 x 23.5 x 22.8 in
<b>Package dimensions (W x D x H)</b>	653 x 596 x 578 mm
<b>Package weight</b>	79.1 lb
<b>Package weight</b>	35.9 kg
<b>Pallet dimensions</b>	AMS, APJ: 47.2 x 31.5 x 96.9 in; EMEA: 47.2 x 31.5 x 74.2 in
<b>Pallet dimensions (W x D x H)</b>	AMS, APJ: 1200 x 800 x 2462 mm; EMEA: 1200 x 800 x 1884 mm
<b>Pallet weight</b>	AMS, APJ: 670 lb; EMEA: 512 lb
<b>Pallet weight</b>	AMS, APJ: 304 kg; EMEA: 232 kg
<b>Paper handling input, optional</b>	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 HCI Feeder and Stand
<b>Paper handling input, standard</b>	100-sheet multi-purpose tray, 550-sheet input tray 2
<b>Paper handling output, standard</b>	500-sheet output bin
<b>Paper trays, maximum</b>	Up to 5
<b>Paper trays, standard</b>	2
<b>Plug and play</b>	HP Smart Install
<b>Power</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. Not dual voltage, power supply varies by part number with # Option code identifier.
<b>Print Technology</b>	Laser
<b>Print colors</b>	Yes
<b>Print languages</b>	HP PCL 6, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
<b>Print quality black (normal)</b>	Up to 600 x 600 dpi
<b>Print resolution black (fine lines)</b>	Up to 1200 x 1200 dpi
<b>Print resolution color (fine lines)</b>	Up to 1200 x 1200 dpi
<b>Print resolution color (normal)</b>	Up to 600 x 600 dpi
<b>Print speed black (Landscape, A5)</b>	Up to 74 ppm
<b>Print speed black (Portrait, A5)</b>	Up to 6 ppm
<b>Print speed color (Landscape, A5)</b>	Up to 74 ppm
<b>Print speed color (Portrait, A5)</b>	Up to 6 ppm
<b>Print speed duplex (A4)</b>	Up to 56 ipm
<b>Print speed duplex (A4)</b>	Up to 56 ipm
<b>Print speed duplex (letter)</b>	Up to 60 ipm
<b>Print speed duplex (letter)</b>	Up to 60 ipm
<b>Print speed footnote (A5)</b>	[13]

<b>Print technology</b>	Laser
<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>Printer black pages (MPV black)</b>	1155
<b>Printer color pages (MPV color)</b>	2145
<b>Processor speed</b>	1.2 GHz
<b>Product long name specifications</b>	HP Color LaserJet Managed E65160dn, Color Printer for Business, Print, JetIntelligence cartridge; Two-sided printing; Print from mobile device
<b>Product short name specifications</b>	HP LaserJet E65160dn Color Printer, Ethernet Only; Duplex
<b>Production CO2e (kg)</b>	308
<b>Quantity per pallet</b>	AMS, APJ: 8; EMEA: 6
<b>RMN number</b>	BOISB-1503-00
<b>Recommended media weight (duplex)</b>	60 to 163 g/m <sup>2</sup> (plain); 120 to 220 g/m <sup>2</sup> (glossy)
<b>Recommended media weight (duplex)</b>	16 to 90 lb (plain); 32 to 58 lb (glossy)
<b>Recommended monthly page volume</b>	4,000 to 30,000 <sup>[10]</sup>
<b>Recommended operating humidity range</b>	30 to 70% RH
<b>Recommended operating temperature range</b>	17.5 to 25°C
<b>Recommended operating temperature range</b>	63.5 to 77°F
<b>Safety</b>	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

<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
<b>Segment (filter)</b>	Business
<b>Standard input capacity (envelopes)</b>	Up to 10
<b>Standard media sizes (duplex)</b>	A4; A5; 16K; RA4; Oficio; B5 (JIS)
<b>Standard media sizes (duplex, imperial)</b>	Letter; Legal; Executive; Folio
<b>Standard output capacity (envelopes)</b>	Up to 85 envelopes
<b>Standard output capacity (transparencies)</b>	Up to 200 sheets
<b>Storage device and direct print support</b>	Front-facing USB/Flash drive; USB printing
<b>Storage temperature range</b>	-20 to 40°C
<b>Storage temperature range</b>	-4 to 104°F
<b>Target user and print volume</b>	For teams over 25 users; Prints up to 30,000 pages/month
<b>Tariff numbers</b>	8443321010(AM-Base-HTS); 8443321000 (EU-Base-HTS); 84433231(AP-Base-HTS)
<b>Technology logo 1</b>	Publication logos/AMS_EnergyStar.jpg
<b>Technology logo 2</b>	Publication logos/AMS_windows_10.jpg
<b>Technology logo 3</b>	Publication logos/AMS_mac_hires.jpg
<b>Technology logo 4</b>	Publication logos/AMS_AirPrint.jpg
<b>Technology logo 5</b>	Publication logos/AMS_Epeat silver.jpg
<b>Technology logo 6</b>	Publication logos/AMS_Mopria.jpg
<b>Top key features</b>	Front-facing USB printing; Roam; Two-sided printing
<b>Total CO2e (kg)</b>	<p>430</p> <p><i>(A product carbon footprint is defined as the total amount of greenhouse gases emitted directly and indirectly by a product over its lifetime. Greenhouse gas emissions are reported as global warming potential for 100-year time horizon (GWP-100) in units of CO2 equivalence. Calculations are done in accordance with ISO 14040 &amp; ISO 14044. Individual values may not sum to total due to rounding.)</i></p>

<b>Transportation CO2e (kg)</b>	32
<b>Tray capacity</b>	650
<b>Typical electricity consumption (TEC) footnote</b>	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.
<b>Typical electricity consumption (TEC) number</b>	2.27 kWh/Week (Blue Angel); 0.693 kWh/Week (Energy Star 3.0) <sup>[5]</sup>
<b>UNSPSC code</b>	43212105
<b>UPC number</b>	192545791021
<b>Web address for additional information</b>	Solutions: <a href="http://www.hp.com/go/gsc">http://www.hp.com/go/gsc</a> ; Fonts and IPDS Emulation: <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a> ; HP Web Jetadmin: <a href="http://www.hp.com/go/wja">http://www.hp.com/go/wja</a> ; HP Universal Print Driver: <a href="http://www.hp.com/go/upd">http://www.hp.com/go/upd</a> ; HP JetAdvantage Security Manager: <a href="http://www.hp.com/go/securitymanager">http://www.hp.com/go/securitymanager</a> ; HP JetAdvantage On Demand Cloud Solutions: <a href="http://www.hp.com/go/JetAdvantageondemand">http://www.hp.com/go/JetAdvantageondemand</a>

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

[2] Standard cartridges included; yields 12,500 black and 10,500 color composite (C/M/Y) pages. Average black and 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>.

[9] 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.

[10] 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.

[11] Solution software available on <http://www.123.hp.com>

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## Services

### HP Care Pack Services

★ : Recommended

#### Imaging and Printing Hardware Support Onsite Svc

HP 3 year Next Business Day w/DMR Service for Color LaserJet E650xx E651xx Managed	U9PD2E ★
HP 3 year 4 hour 9x5 w/DMR Service for Color LaserJet E650xx E651xx Managed	U9PD5E ★
HP 1 year Post Warranty 4 hour 9x5 w/DMR Service for Color LaserJet E650xx E651xx Managed	U9PE3PE
HP 1 year Post Warranty Next Business Day w/DMR Service for Color LaserJet E650xx E651xx Managed	U9PE1PE
HP 4 year 4 hour 9x5 w/DMR Service for Color LaserJet E650xx E651xx Managed	U9PD6E
HP 4 year Next Business Day w/DMR Service for Color LaserJet E650xx E651xx Managed	U9PD3E
HP 5 year 4 hour 9x5 w/DMR Service for Color LaserJet E650xx E651xx Managed	U9PD7E
HP 5 year Next Business Day w/DMR Service for Color LaserJet E650xx E651xx Managed	U9PD4E

#### Imaging and Printing Commercial Care Pack Services

HP Installation Service with network configuration for Workgroup Printer(1 unit)	U9JT2E ★
HP 1 yr Post Wty Parts Exchange SVC for Color LaserJet E650xx E651xx Managed	U9PE5PE
HP 3 year Parts Exchange Service for Color LaserJet E650xx E651xx Managed	U9PD8E
HP 4 year Parts Exchange Service for Color LaserJet E650xx E651xx Managed	U9PD9E
HP 5 year Parts Exchange Service for Color LaserJet E650xx E651xx Managed	U9PE0E
HP Print Carbon Neutral Certification Service	U34Y1E

### HP CarbonNeutral

#### HP CarbonNeutral

HP Print Carbon Neutral Certification Service for A4 Products only	U67T2E
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### HP Laser Toner Cartridges and Kits

★ : Recommended

#### HP Laser Printer Supply Kits

HP LaserJet 110V Fuser Kit	P1B91A ★
HP LaserJet Image Transfer Belt	P1B93A ★
HP LaserJet Toner Collection Unit	P1B94A ★

### HP Business Papers

#### HP Business Papers for laser

HP Enhanced Business Paper, Glossy, 150 g/m2, A4 (210 x 297 mm), 150 sheets	CG965A
HP Everyday Business Paper, Glossy, 32 lb, 8.5 x 11 in. (216 x 279 mm), 150 sheets	4WN08A
HP Professional Business Paper Glossy 52 lb 8.5 x 11 in. (216 x 279 mm) 150 sheets	4WN10A
HP Professional Business Paper Matte 52 lb 8.5 x 11 in. (216 x 279 mm) 150 sheets	4WN05A

### HP Home & Office Papers

#### HP Home & Office Papers for laser and inkjet

HP MultiPurpose20TM, 20 lb, 11 x 17 in. (279 x 432 mm), 250 sheets	HPM1720P
HP MultiPurpose20TM, 20 lb, 8.5 x 11 in. (216 x 279 mm), 500 sheets	HPM1120R
HP MultiPurpose20TM, 20 lb, 8.5 x 14 in. (216 x 356 mm), 500 sheets	HPM1420P

### HP Paper for Multiple Uses

#### HP Recycled Paper

HP Multipurpose Recycled Paper-500 sht/Letter/8.5 x 11 in	4WN07A
HP Multipurpose Recycled Paper-500 sht/Letter/8.5 x 11 in	4WN11A

### HP Paper Designed for Inkjet Printers

#### HP Inkjet Photo Paper

HP Professional Business Paper, Glossy, 48 lb, 8.5 x 11 in. (216 x 279 mm), 50 sheets	6MF93A
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## Accessories

### Memory

★ : Recommended

#### DDR3 Memory

HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM	E5K48A ★
HP 2 GB x32 144-pin (800 MHz) DDR3 SODIMM	E5K49A ★
HP 2GB 144-Pin DDR3 TAA Version DIMM	2NR09A ★

### Security and Protection

#### Smart Cards and SmartCard Readers

HP HIP2 Keystroke Reader	Y7C05A ★
HP USB Universal Card Reader	X3D03A ★

### PC Drives and Storage

#### EIO Hard Drives

HP High-Performance Secure Hard Disk	B5L29A ★
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### Cables/Cable Kits/Cable Adapters

#### Port Cables and Cable Adapters

HP Internal USB Ports	B5L28A ★
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### Network Print Servers

#### External Print Servers

HP Jetdirect 3100w BLE/NFC/Wireless Accessory	3JN69A ★
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#### Internal Print Servers

HP Jetdirect LAN Accessory	8FP31A ★
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### Accessory Bundles

#### Data Security Accessories

HP Removable Hard Drive Enclosure	2NR12A ★
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#### Printer Accessibility Accessories





# Solutions

## Imaging and Printing Solutions

★ : Recommended

### Printing SW Solution Licenses

HP HID Mobile Access Mifare DES Fire Keystroking Reader	35H11A ★
HP SIM for HID iClass for HIP2 Reader	Y7C07A ★

## HP Document and Workflow Solutions

### HP Document and Workflow Solutions Printing Security

Celiveo Enterprise	HP3PCELIVEO
HP Access Control Secure Printing and Job Accounting Solution	HPACSOLUTION
HP Proximity Card Reader	HPPROXIMTYRDR
HP Secure Print and Insights	HPJETADSECUREPRINT
HP Security Manager	HPJETADSECMGR
Kofax SafeCom Security and Job Accounting Solution	HPNSAFECOMSOL
Pharos Blueprint	HP3PHAROSBPRNT

### HP Document and Workflow Solutions Printer Workflow

HP Capture and Route	HPCAPTANDROUTE
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### HP Document and Workflow Solutions Print Management

HP Universal Print Driver	HPUNIVPRNTDRV
HP Web Jetadmin	HPWEBJETADMIN
Kofax ControlSuite	HP_CSUITE
LRS VPSX for Output Management	HP3PLRS

### HP Document and Workflow Solutions Mobile Printing

ePRINTit	HP3PEPRINTIT
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