



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^[2]

Expand the capabilities of your printer

Eliminate the wait from your workday

[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.

Specifications

Print Resolution Technologies	600 x 600 dpi; HP ImageRet 3600, HP ProRes 1200 (1200 x 1200 dpi), Pantone© Calibrated
Print quality black (best)	Up to 1200 x 1200 dpi
Print quality color (best)	Up to 1200 x 1200 dpi
Print speed black (ISO, A4)	Up to 56 ppm
Print speed black (ISO, letter)	Up to 60 ppm
Print Speed Color (ISO)	Up to 56 ppm
Print speed color (ISO)	Up to 60 ppm
Print speed	Print speed up to 60 ppm (black) and 60 ppm (color)
Functions	Print
Duplex printing	Automatic (standard)
Duty cycle (monthly, A4)	Up to 180,000 pages
Duty cycle (monthly, letter)	Up to 180,000 pages ^[9]
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, HP EasyColor
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology
Replacement cartridges	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 www.hp.com/go/learnaboutsupplies ^[7]
Supplies feature	HP JetIntelligence Cartridge
Connectivity, standard	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket
Connectivity, optional	HP Jetdirect 2900nw Print Server J8031A; HP Jetdirect 3000w NFC/Wireless Accessory J8030A; HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A
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 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
Mobile printing capability	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified

Network protocols, supported	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
Software included	No software solutions are included in the Box, only on http://hp.com , http://123.hp.com
Compatible Operating Systems	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 ^[11]
Sustainable impact specifications	Mercury free
Energy star certified	Yes
Ecolabels	ENERGY STAR® qualified; EPEAT® Silver; CECP ^[11]
Blue Angel compliant	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
Display area (imperial)	3.74 x 2.32 in
Display area (metric)	95.04 x 53.86 mm
Display	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)
Minimum dimensions (W x D x H)	510 x 458 x 440 mm
Minimum dimensions (W x D x H)	20.08 x 18.03 x 17.32 in
Weight	31.25 kg ^[3] (With print cartridges)
Weight	68.9 lb (With print cartridges)
Power consumption	780 watts (printing), 31 watts (ready), 0.7 watts (sleep), 0.7 watts (Auto Off/Manual On), 0.1 (Manual Off) ^[4]
Power supply type	Internal (built-in) 115V or 220V Power Supply (Not dual voltage, power supply varies by part number with # Option code identifier)
What's in the box	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 ^[2]
Manufacturer 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. (wty code 4G)

Additional specifications

Accessories	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
Acoustic power emissions (active, printing)	6.8 B(A)
Acoustic power emissions (ready)	4.6 B(A)
Acoustic pressure emissions bystander (active, printing)	53 dB(A)
Acoustic pressure emissions bystander (ready)	33 dB(A)
Additional information about HP	http://www.hp.com
Additional information about HP in the countries	hp.com
Automatic paper sensor	Yes
Best technical electricity consumption (TEC)	2.27 kWh/Week ^[6]
Best technical electricity consumption (TEC) footnote	Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.
Bottom margin (A4)	4.3 mm
Business filter	cMPS
Cable included	No, please purchase (USB) cable separately
Capacity	8 GB eMMC
Cartons per layer	2
Compatible Network Operating Systems	Windows 11; Windows 8; Windows 7; Windows Server; Linux; Citrix; UNIX
Component type	Printer
Control panel	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button
Count of layers in pallet	AMS, APJ: 4; EMEA: 3
Country of origin	Product of Japan, Assembled in China (#AB2); Product of Japan, Assembled in Mexico (#AKV); Made in Japan (other options)
Datasheet photo 1	Publication photos/3GY04A.jpg
Datasheet photo 4	Publication photos/E65160dn walkaround.jpg

Downloadable software

From <http://123.hp.com>, HP Easy Start (Guided Software Install for Windows and Mac); From <http://hp.com> for Windows OS, Full-solution software and drivers, Basic-solution software and drivers, HP PCL6 XPS Discrete Print Driver, Product Documentation and Support; From <http://hp.com> 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 <http://hp.com/go/businessmobileprinting>, Android For more information see <http://hp.com/go/businessmobileprinting>; From <http://hp.com> for printer administrators, Printer Administrator Resource Kit (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator), HP Universal Print Drivers PCL6 GDI & PS GDI for Windows, HP ePrint Software (Mobile Driver for Windows), SAP Print Drivers for more information see <http://support.hp.com/us-en/document/c05051702>, HP Web JetAdmin, HP JetAdvantage Security Manager, HPLIP Linux Printer Driver for more information see <http://hplipopensource.com/hplip-web/index.html>, Unix Model Script Printer Driver for more information see <http://hp.com/go/unixmodelscripts>, ReadIris

Driver updates

Current HP printer drivers and software can be obtained from the HP Customer Care Web site: In the US, go to <http://www.hp.com/support/colorljE65160>; Outside the US, go to <http://www.hp.com/support> 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

Duty cycle note

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.

Dynamic security

Dynamic security enabled printer

Electromagnetic compatibility

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

Engine life

800000

Envelope Feeder

No

Finished output handling

Sheetfed

First page out black (A4, ready)

As fast as 5.8 sec

First page out black (A4, sleep)

As fast as 7.8 sec

First page out black (letter, ready)

As fast as 5.7 sec

First page out black (letter, sleep)

As fast as 7.7 sec

First page out color (A4, ready)

As fast as 5.8 sec

First page out color (A4, sleep)

As fast as 7.8 sec

First page out color (letter, ready)

As fast as 5.7 sec

First page out color (letter, sleep)

As fast as 7.7 sec

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
Input capacity	Up to 650 sheets
Internal Storage	Optional, 500 GB (with accessory B5L29A)
Left margin (A4)	4.3 mm
Mac compatible	Yes
Maximum Memory	3 GB
Maximum dimensions (W x D x H)	37.91 x 30.31 x 20.16 in
Maximum dimensions (W x D x H)	963 x 770 x 512 mm
Maximum input capacity (sheets)	Up to 3,200 sheets
Maximum metric depth	770
Maximum metric height	512
Maximum metric width	963
Maximum output capacity (sheets)	Up to 500 sheets
Maximum print area	212 x 352 mm
Media size, 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); 76 x 127 to 216 x 356 mm
Media size, tray 2	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
Media size, tray 3	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
Media sizes supported	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
Media sizes supported	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
Media sizes supported, key	4 x 6 in; Letter; Legal; Envelopes
Media sizes supported, key	10 x 15 cm; A4; Envelopes
Media sizes, custom	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

Media sizes, custom	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
Media type and capacity, tray 1	Sheets: 100; transparencies: 50; envelopes: 10
Media type and capacity, tray 2	Sheets: 550
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)
Media weight (tray 2)	60 to 163 g/m ² (plain); 120 to 220 g/m ² (glossy)
Media weight (tray 3)	1x550 feeders: 60 to 163 g/m ² (plain), 120 to 220 g/m ² (glossy); 2,000-sheet high capacity input tray 4: 60 to 163 g/m ² (plain)
Media weight, supported	Tray 1: 60-220 g/m ² (plain), 120 to 220 g/m ² (glossy); Tray 2 and automatic two-sided printing unit: 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 weight, supported	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)
Memory	1 GB
Memory Slots	1 slot, 144-pin DDR2 DIMM
Memory maximum note	Maximum physical memory present is reported. Actual usable amount by firmware might be less.
Memory upgrade	Expandable to 3 GB through one 144-pin DDR3 DIMM slot
Metric depth	458
Metric height	440
Metric width	510
Minimum System Requirements	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com
Minimum System Requirements for Macintosh	2 GB available hard drive space, Internet connection or USB port, OS hardware requirements see apple.com
Number of print cartridges	4 (1 each black, cyan, magenta, yellow)
Number of users	10-30 Users
Operating humidity range	10 to 80% RH
Operating temperature range	15 to 30°C
Operating temperature range	59 to 86°F
Orderable supplies	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
Output capacity	Up to 500 sheets

Package dimensions (W x D x H)	25.7 x 23.5 x 22.8 in
Package dimensions (W x D x H)	653 x 596 x 578 mm
Package weight	35.9 kg
Package weight	79.1 lb
Pallet dimensions	AMS, APJ: 47.2 x 31.5 x 96.9 in; EMEA: 47.2 x 31.5 x 74.2 in
Pallet dimensions (W x D x H)	AMS, APJ: 1200 x 800 x 2462 mm; EMEA: 1200 x 800 x 1884 mm
Pallet weight	AMS, APJ: 670 lb; EMEA: 512 lb
Pallet weight	AMS, APJ: 304 kg; EMEA: 232 kg
Paper handling input, optional	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
Paper handling input, standard	100-sheet multi-purpose tray, 550-sheet input tray 2
Paper handling output, standard	500-sheet output bin
Paper trays, maximum	Up to 5
Paper trays, standard	2
Plug and play	HP Smart Install
Power	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.
Print Technology	Laser
Print colors	Yes
Print languages	HP PCL 6, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
Print quality black (normal)	Up to 600 x 600 dpi
Print resolution black (fine lines)	Up to 1200 x 1200 dpi
Print resolution color (fine lines)	Up to 1200 x 1200 dpi
Print resolution color (normal)	Up to 600 x 600 dpi
Print speed black (Landscape, A5)	Up to 74 ppm
Print speed black (Portrait, A5)	Up to 6 ppm
Print speed color (Landscape, A5)	Up to 74 ppm
Print speed color (Portrait, A5)	Up to 6 ppm
Print speed duplex (A4)	Up to 56 ipm
Print speed duplex (A4)	Up to 56 ipm
Print speed duplex (letter)	Up to 60 ipm
Print speed duplex (letter)	Up to 60 ipm
Print speed footnote (A5)	[13]
Print technology	Laser

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)

Printer black pages (MPV black)

1155

Printer color pages (MPV color)

2145

Processor speed

1.2 GHz

Product short name specifications

HP Color LaserJet Managed E65160dn, Print, Front-facing USB printing; Roam; Two-sided printing

Quantity per pallet

AMS, APJ: 8; EMEA: 6

RMN number

BOISB-1503-00

Recommended media weight (duplex)

16 to 90 lb (plain); 32 to 58 lb (glossy)

Recommended media weight (duplex)

60 to 163 g/m² (plain); 120 to 220 g/m² (glossy)

Recommended monthly page volume

4,000 to 30,000^[10]

Recommended operating humidity range

30 to 70% RH

Recommended operating temperature range

17.5 to 25°C

Recommended operating temperature range

63.5 to 77°F

Right margin (A4)

4.3 mm

Safety

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

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 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

Standard input capacity (envelopes)	Up to 10
Standard media sizes (duplex)	A4; A5; 16K; RA4; Oficio; B5 (JIS)
Standard media sizes (duplex, imperial)	Letter; Legal; Executive; Folio
Standard output capacity (envelopes)	Up to 85 envelopes
Standard output capacity (transparencies)	Up to 200 sheets
Storage device and direct print support	Front-facing USB/Flash drive; USB printing
Storage temperature range	-20 to 40°C
Storage temperature range	-4 to 104°F
SureSupply supported	No
Target user and print volume	For teams over 25 users; Prints up to 30,000 pages/month
Tariff numbers	8443321010(AM-Base-HTS); 8443321000 (EU-Base-HTS); 84433231(AP-Base-HTS)
Technology logo, print 1	Publication logos/AMS_EnergyStar.jpg
Technology logo, print 2	Publication logos/AMS_windows_10.jpg
Technology logo, print 3	Publication logos/AMS_mac_hires.jpg
Technology logo, print 4	Publication logos/AMS_AirPrint.jpg
Technology logo, print 5	Publication logos/AMS_Epeat silver.jpg
Technology logo, print 6	Publication logos/AMS_Mopria.jpg
Top key features	Front-facing USB printing; Roam; Two-sided printing
Top margin (A4)	4.3 mm
Tray capacity	650
Typical electricity consumption (TEC) footnote	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.
Typical electricity consumption (TEC) number	2.27 kWh/Week (Blue Angel); 0.693 kWh/Week (Energy Star 3.0) ^[5]
UNSPSC code	43212105
UPC number	192545791021
Web address for additional information	Solutions: http://www.hp.com/go/gsc ; Fonts and IPDS Emulation: http://www.hp.com/go/laserjetfonts ; HP Web Jetadmin: http://www.hp.com/go/wja ; HP Universal Print Driver: http://www.hp.com/go/upd ; HP JetAdvantage Security Manager: http://www.hp.com/go/securitymanager ; HP JetAdvantage On Demand Cloud Solutions: http://www.hp.com/go/JetAdvantageondemand

[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>

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 2 year Post Warranty 4 hour 9x5 w/DMR Service for Color LaserJet E650xx E651xx Managed	U9PE4PE
HP 2 year Post Warranty Next Business Day w/DMR Service for Color LaserJet E650xx E651xx Managed	U9PE2PE
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 2 yr Post Wty Parts Exchange SVC for Color LaserJet E650xx E651xx Managed	U9PE6PE
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 Image Transfer Belt Maintenance Kit Replacement Service for Color LaserJet M65x M68x	U9TN2E
HP MK CLJ M65xM68x E675xxE650xx F110 SVC	U9TN0E
HP MK CLJ M65xM68x E675xxE650xx F220 SVC	U9TN1E
HP Print Carbon Neutral Certification Service	U34Y1E

Ink/Toner/Paper/Printer Supplies

HP Laser Toner Cartridges and Kits

★ : Recommended

HP Laser Printer Supply Kits

HP LaserJet 110V Fuser Kit	P1B91A ★
HP LaserJet Image Transfer Belt Kit	P1B93A ★
HP LaserJet Toner Collection Unit	P1B94A ★
HP LaserJet 220V Fuser Kit	P1B92A

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, 11 x 17 in. (279 x 432 mm), 150 sheets	4WN07A
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

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 ★

Paper Handling

Input Trays

HP Color LaserJet 1x550/2000-sheet HCI Feeder and Stand	P1B12A ★
HP Color LaserJet 3x550-sheet Feeder and Stand	P1B11A ★
HP Color LaserJet 550-sheet Media Tray	P1B09A ★
HP Color LaserJet 550-sheet Paper Tray with Stand	P1B10A ★

Security and Protection

Smart Cards and SmartCard Readers

HP HIP2 Keystroke Reader	Y7C05A ★
HP USB Universal Card Reader	X3D03A ★
HP Legic Secure USB Reader	4QL32A
HP SmartCard NIPRNet Solution for US Government	CC543B

PC Drives and Storage

EIO Hard Drives

HP High-Performance Secure Hard Disk	B5L29A ★
HP TAA Version Secure Hard Disk Drive	5EL03A

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 ★

HP Jetdirect 3000w NFC/Wireless Accessory

J8030A

Internal Print Servers

HP Jetdirect LAN Accessory

8FP31A ★

Accessory Bundles

Data Security Accessories

HP Removable Hard Drive Enclosure

2NR12A ★

Printer Accessibility Accessories

HP Printing Voice Assistant

478C2A

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

JetAdvantage 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

JetAdvantage Printer Workflow

HP Capture and Route	HPCAPTANDROUTE
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JetAdvantage Print Management

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

JetAdvantage Mobile Printing

ePRINTit	HP3PEPRINTIT
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