HP LaserJet Managed E60165dn

The pinnacle of performance and security

This HP LaserJet Printer with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them – all while protecting your network from attacks with the industry's deepest security.[1]

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. Learn more at: http://www.hp.com/go/learnaboutsupplies

Low energy

Auto on/off

2-sided printing

Instant-on technology

Tray input

The world's most secure printing[1]

- 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.
- Centralise 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 nearly as fast as single-sided.
- This printer wakes up fast and prints your first page faster – in as quickly as 8.3 seconds.[3]
- This printer uses exceptionally low amounts of energy thanks to its innovative design and toner technology.[4]
- Paper handling options include a wheeled stand and 550-sheet input feeder for paper sizes A6 to A4.

Pages, performance, and protection

- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- Help retain the Original HP quality you paid for with anti-fraud and cartridge authentication technology.

Product walkaround

HP LaserJet Managed E60165dn shown

1. Hardware Integration Pocket
2. 10.9 cm colour graphics display with touchscreen
3. Easy-access USB port
4. 100 sheet multipurpose tray 1 supports media sizes up to 216 x 356 mm
5. Automatic two-sided printing
6. Rear door (access to paper path)
7. 550 sheet input tray 2 supports media sizes up to up to 216 x 356 mm
8. 500 sheet output bin
9. Cartridge door release button (access to toner cartridge)
10. Host USB port
11. Gigabit Ethernet network port
12. Hi-Speed USB 2.0 printing port
13. Slot for cable-type security lock

Accessories, Supplies and Support

Supplies	**W9004MC** HP Black Managed LaserJet Toner (50,000 pages)
Accessories	**2MU47A** HP Accessibility Assistant
	2NR12A HP Removable Hard Drive Enclosure
	3JN69A HP Jetdirect 3100w BLE/NFC/Wireless Accessory
	B5L28A HP Internal USB Ports
	B5L29A HP High-Performance Secure Hard Disk
	G6W84A HP 1 GB 90-pin DDR3 DIMM
	J8030A HP Jetdirect 3000w NFC/Wireless Accessory
	J8031A HP Jetdirect 2900nw Print Server
	L0H17A HP LaserJet 550-sheet Paper Tray
	L0H18A HP LaserJet 2100 Sheet Paper Tray
	L0H19A HP LaserJet Printer Stand
	L0H20A HP LaserJet Stapler/Stacker/Mailbox
	L0H21A HP LaserJet Envelope Feeder
	L0H22A HP LaserJet Extension Tray Cover
Service and Support	**U9NH5E** HP 3 years Next Business Day with Defective Media Retention for LaserJet E60165 Managed Service **U9NH6E** HP 4 years Next Business Day with Defective Media Retention for LaserJet E60165 Managed Service **U9NH7E** HP 5 years Next Business Day with Defective Media Retention for LaserJet E60165 Managed Service **U9NJ4PE** HP 1 year Post Warranty Next Business Day with Defective Media Retention for LaserJet E60165 Managed Service **U9NJ5PE** HP 2 years Post Warranty Next Business Day with Defective Media Retention for LaserJet E60165 Managed Service

Technical specifications

Model	HP LaserJet Managed E60165dn
Product number	3GY10A
Functions	Print
Control panel	10.92 cm (4.3 in) Colour Graphics Display (CGD) with touchscreen; Rotating (adjustable angle) display; Home button
Print	
Print technology	Laser
Print speed[1]	**Black (A4, normal)** Up to 61 ppm; **Black (A4, duplex)**: Up to 50 ipm;
First page out[2]	**Black (A4, ready)**: As fast as 5.1 sec; **Black (A4, sleep)**: As fast as 8.3 sec;
Print resolution	**Black (best)**: Up to 1200 x 1200 dpi; **Technology**: FastRes 1200; 1200 x 1200 dpi;
Monthly duty cycle[3]	Up to 420,000 pages A4; **Recommended monthly page volume**[4]: 5,000 to 40,000
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
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™
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
Print area	**Print margins** Top: 4.3 mm, Bottom: 4.3 mm, Left: 4.3 mm, Right: 4.3 mm; Maximum print area : 212 x 352 mm
Duplex printing	Automatic (standard)
Processor speed	1.2 GHz
Connectivity	
Standard	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket
Optional	HP Jetdirect 2900nw Print Server J8031A, HP Jetdirect 3000w NFC/Wireless Accessory J8030A, HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A
Wireless	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[5]	Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; ROAM capable for easy printing
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, Stateful via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPs, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x
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).
Hard disk	Optional, 500 GB minimum encrypted hard disk drive
Memory	**Standard**: 512 MB; **Maximum** : 1.5 GB, MAX memory, when Accessory DIMM is installed
Media handling	
Number of paper trays	**Standard**: 2; **Maximum**: Up to 6
Media types	Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, coloured, rough, heavy rough), monochrome transparency, labels, envelope, heavy envelope
Media size	**Custom (metric)**: Tray 1: 76 x 127 to 216 x 356 mm; Tray 2: 99 x 148 to 216 x 356 mm; Optional 550 sheet tray: 99 x 148 to 216 x 356 mm; Optional 2,100 sheet tray: custom sizes not supported; Optional 75 envelope feeder: 90 x 148 to 178 x 254 mm **Supported (metric)**: Tray 1: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340 mm), 16K, envelopes (B5, C5, C6, DL), Postcard (JIS single and double); Tray 2: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340 mm), 16K, Postcard (JIS single and double); Optional 550 sheet tray: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340 mm), 16K, Postcard (JIS single and double); Optional 2,100 sheet tray: A4; Optional 75 envelope feeder: B5, C5, C6, DL; Automatic Duplexer: A4, A5, RA4, B5 (JIS), Oficio (216 x 340 mm), 16K

Model	HP LaserJet Managed E60165dn
Product number	3GY10A
Media handling	**Standard input**: 100 sheet multipurpose feeder, 550 sheet input feeder **Standard output**: 500 sheet output bin **Optional input**: Optional 550 sheet paper feeder, optional 75 sheet envelope feeder, optional high-capacity 2,100 sheet paper feeder and stand, optional pedestal
Media weight	Tray 1: 60 to 199 g/m²; Tray 2: 60 to 120 g/m²
Input capacity	**Tray 1**: Sheets: 100; Transparencies: 50; Envelopes: 10 **Tray 2**: Sheets: 550; Labels: 50 **Tray 3**: Sheets: 550; Labels: 50 **Maximum**: Up to 4,400 sheets
Output capacity	**Standard**: Up to 500 sheets Envelopes: Up to 75 envelopes Transparencies: 200 **Maximum**: Up to 1,300 sheets
Compatible operating systems	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://www.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 http://www.hp.com/go/upd
Compatible network operating systems	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see http://www.citrixready.citrix.com, Linux - for more information see http://www.developers.hp.com/hp-linux-imaging-and-printing, Unix - for more information see http://www.hp.com/go/unixmodelscripts, UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see http://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 http://www.microsoft.com **Mac**: 2 GB available hard disk space, Internet connection or USB port, OS hardware requirements see http://www.apple.com
Software included	No software solutions are included in the Box, only on http://www.hp.com, http://www.123.hp.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 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 accessable in ArcSight and Splunk SIEMs
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)
Dimensions and weight	
Printer dimensions (W x D x H)	**Minimum** 431 x 466 x 380 mm; **Maximum**: 431 x 1040 x 453 mm;
Package dimensions (W x D x H)	597 x 497 x 539 mm
Printer weight[6]	21.55 kg
Package weight	24.9 kg
Operating environment	**Temperature**: 10 to 32.5°C **Humidity**: 30 to 70% RH
Storage conditions	**Temperature**: -20 to 40°C
Acoustics	**Acoustic power emissions**: 7.2 B(A) **Acoustic pressure emissions**: 57 dB(A)
Power[7]	**Requirements**: Input voltage: 220 V to 240 V nominal (+/-10%), 50 - 60 Hz nominal (+/-), 6 A; **Consumption**: 780 watts (printing), 15.3 watts (ready), 3.1 watts (sleep), < 0.1 watts (Auto Off/Manual On), < 0.1 watts (Manual Off); **Typical Electricity Consumption (TEC)**[10]: Energy Star: 2.622 kWh/week; Blue Angel: 2.425 kWh/week; **Power supply type**: Built-in 115V or 220V Power Supply;
Certifications[8]	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, Issue 6 Class A, other EMC approvals as required by individual countries. EPEAT® Silver; CECP; ENERGY STAR® qualified **Blue Angel compliant** Yes, Blue Angel DE-UZ 205
Country of origin	Made in China; Made in Brazil
What's in the box[9]	HP LaserJet Managed E60165dn; HP Original LaserJet Toner Cartridge (toner cartridge 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 http://www.hp.com/support to learn about HP award winning service and support options in your region.

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 http://www.hp.com/go/PrintersThatProtect. For more information: http://www.hp.com/go/printersecurityclaims.
[2] HP Web Jetadmin is available for download at no additional charge at http://www.hp.com/go/webjetadmin.
[3] Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.
[4] Based on HP testing using the ENERGY STAR® program's Typical Electricity Consumption (TEC) method or as reported in energystar.gov versus the top three leading competitors as of 8/2015. Actual results may vary. For details see hp.com/go/Ljclaims.

Technical specifications disclaimers

[1] 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.
[2] 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.
[3] 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.
[4] 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.
[5] 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://www.hp.com/go/roam.
[6] With print cartridges.
[7] 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.
[8] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.
[9] Standard cartridges included; yields 11,000 black pages. Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.

www.blauer-engel.de/uz205

http://www.hp.com/uk

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