

Print only

# HP LaserJet Managed E60055dn



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

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.<sup>1</sup>



## **The world's most secure printing<sup>1</sup>**

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Run-time intrusion detection continually monitors to detect and stop attacks, then automatically reboots.
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.<sup>2</sup>
- Give workgroups what they need to succeed. Easily choose and deploy over 175 HP and third-party solutions.



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

- Speed through tasks and save paper. Print two-sided documents nearly as fast as single-sided.
- This printer wakes up fast and prints your first page faster—in as quickly as 7.8 seconds.<sup>4</sup>
- This printer uses exceptionally low amounts of energy thanks to its innovative design and toner technology.<sup>5</sup>
- Paper handling options include a wheeled stand and 550-sheet input feeder for paper sizes A6 to legal.



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

- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- Original HP Toner cartridges with JetIntelligence deliver more pages per cartridge than predecessors.<sup>6</sup>
- Help retain the Original HP quality you paid for with anti-fraud and cartridge authentication technology.
- Spend less time replacing toner, and more on business. Choose high-yield toner cartridges.<sup>7</sup>

## Technical specifications

<b>Functions</b>	Print
<b>Print</b>	
Duplex print options	Automatic (standard)
Print speed <sup>7</sup>	<b>Black (A4, normal):</b> Up to 52 ppm; <b>Black (letter, normal):</b> Up to 55 ppm; <b>Black (A5, landscape):</b> Up to 80 ppm; <b>Black (A4, duplex):</b> Up to 43 ppm; <b>Black (letter, duplex):</b> Up to 45 ppm
First page out <sup>9</sup>	<b>Black (A4, ready):</b> As fast as 5.4 sec; <b>Black (A4, sleep):</b> As fast as 7.9 sec
Print resolution	<b>Black (best):</b> Up to 1200 x 1200 dpi; <b>Black (normal):</b> FastRes 1200; <b>Black (fine lines):</b> Up to 1200 x 1200 dpi
Print technology	Laser
Print resolution technology	FastRes 1200; 1200 x 1200 dpi
Print cartridges number	1 (black)
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 JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver
<b>Connectivity</b>	
Standard connectivity	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; Hardware Integration Pocket
Mobile printing capability <sup>6</sup>	HP ePrint; Apple AirPrint™; Mopria-certified
Wireless capability	Optional, enabled with purchase of HP Jetdirect 2900nw Print Server J8031A or HP Jetdirect 3000w NFC/Wireless Accessory J8030A
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).
<b>Memory</b>	<b>Standard:</b> 512 MB; <b>Maximum:</b> 1.5 GB, MAX memory, when 1GB Accessory DIMM is installed
<b>Processor speed</b>	1.2 GHz
<b>Duty cycle (monthly)</b>	Up to 375,000 pages; <b>Recommended monthly page volume:</b> 5000 to 30,000
<b>Paper handling</b>	
Input	100-sheet multipurpose feeder; 550-sheet input feeder; Optional 1x550-sheet paper feeder; optional 1x550 paper feeder and stand with cabinet, optional 3x550-sheet paper feeder and stand, optional high-capacity paper feeder and stand with 1x550 sheet feeder and 1x2,000-sheet feeder
Output	500 sheet output bin
Media type	Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparency, labels, letterhead, envelope, heavy envelope
Media weight	Feeder 1: 60 to 199 g/m <sup>2</sup> ; feeder 2: 60 to 120 g/m <sup>2</sup>
Media sizes custom	feeder 1: 76 x 127 to 216 x 356 mm; feeder 2: 99 x 148 to 216 x 356 mm
<b>Dimensions (W x D x H)</b>	431 x 466 x 380 mm
<b>Weight</b>	21.6 kg
<b>What's in the box<sup>2</sup></b>	HP LaserJet Printer; HP Black Original LaserJet Toner Cartridge (~11K yield); CD with software drivers and documentation; Documentation (Hardware Install Guide); Power cord
<b>Warranty features</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)
<b>Systems</b>	
Compatible operating systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)
Minimum system requirements	<b>PC:</b> 2 GB available hard disk space; OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> <b>Mac:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info
<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>Control panel</b>	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable angle) display with 24-key pad
<b>Display</b>	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable angle)
<b>Power</b>	<b>Power supply type:</b> Built in 115V or 220V Power Supply (Not dual voltage, power supply varies by part number with # Option code identifier); <b>Power supply required:</b> 100V - 127V nominal @ +/-10% (min 90V, max 140V); 50 - 60Hz nominal +/- 3Hz (min 47Hz, max 63Hz), 12 A; 220V - 240V nominal, @ +/-10% (min 198V, Max 264V); 50 - 60Hz nominal +/- 3Hz (min 47Hz, max 63Hz), 6 A; <b>Power consumption<sup>8</sup>:</b> 780 watts (printing), 15.3 watts (ready), 3.1 watts (sleep), < 0.1 watts (Auto Off/Manual On), < 0.1 watts (Manual Off); <b>Typical electricity consumption (TEC) number<sup>4</sup>:</b> ES: 3.173 kWh/week; BA: 2.948 kWh/week
<b>Software included</b>	HP Connected, HP Device Experience (DXP), HP PCL 6 (XPS) Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals
<b>Acoustics</b>	<b>Acoustic power emissions:</b> 6.9 B(A); <b>Acoustic Power Emissions (ready):</b> Inaudible; <b>Acoustic Pressure Emissions Bystander (active, printing):</b> 55 dB(A); <b>Acoustic Pressure Emissions Bystander (ready):</b> Inaudible
<b>Environmental ranges</b>	<b>Operating Temperature Range:</b> 15 to 32.5°C; <b>Recommended Operating Temperature:</b> 59 to 90.5°F; <b>Non-operating Humidity Range:</b> 10 to 80% RH; <b>Operating Humidity Range:</b> 30 to 70% RH; <b>Recommended Operating Humidity Range:</b> 10 to 90% RH
<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 WPA-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 (HTPS); 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>Safety approvals and requirements</b>	IEC 60950-1:2005 +A1:2009 +A2:2013 (International); EN60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013 (EU); EN 60825-1:2007 / IEC 60825-1:2007 (Class 1 Laser Product); EN 62479:2010 / IEC 62479:2010; Low Voltage Directive 2006/95/EC 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>Supported network protocols</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

## Ordering Information

Number	Description
M0P33A	HP LaserJet Managed E60055dn

### Supplies and Maintenance Kits

Number	Description
L0H24A	HP LaserJet 110V Maintenance Kit (Up to 225,000 pages)
L0H25A	HP LaserJet 220V Maintenance Kit (Up to 225,000 pages)
W9004MC	HP Black Managed LaserJet Toner Cartridge (Up to 50,000 pages)

### Accessories

Number	Description
B5L28A	HP Internal USB Ports
B5L29A	HP High-Performance Secure Hard Disk
F5S62A	HP Trusted Platform Module Accessory
G6W84A	HP 1 GB 90-pin DDR3 DIMM
J8031A	HP Jetdirect 2900nw Print Server
J8J96A	HP Staple Cartridge Refill
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

### HP Care Packs

Number	Description
U9MX5E	HP 3 year Next Business Day HW Support w/DMR for LaserJet Enterprise E6005x Managed
U9MX6E	HP 4 year Next Business Day HW Support w/DMR for LaserJet Enterprise E6005x Managed
U9MX7E	HP 5 year Next Business Day HW Support w/DMR for LaserJet Enterprise E6005x Managed
U9MX8E	HP 3 year 4 hour 9x5 HW Support w/Defective Media Retention for LaserJet Enterprise E6005x Managed
U9MX9E	HP 4 year 4 hour 9x5 HW Support w/Defective Media Retention for LaserJet Enterprise E6005x 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](http://hp.com/go/cpc)

### HP Inc. offices

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Thailand	(662) 353 9500	<a href="http://hp.com/th">hp.com/th</a>
Vietnam	(848) 3823 4151	<a href="http://hp.com/vn">hp.com/vn</a>

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

### Supported paper

Contact HP via phone: Asia: 65 6253 8500

### Solutions

For more solutions information, please visit [hp.com/go/gsc](http://hp.com/go/gsc)



## Footnotes

<sup>1</sup> Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit [hp.com/go/PrintersThatProtect](http://hp.com/go/PrintersThatProtect). For more information: <http://www.hp.com/go/printersecurityclaims>

<sup>2</sup> HP Web Jetadmin is available for download at no additional charge at <http://www.hp.com/go/webjetadmin>

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

<sup>4</sup> Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.

<sup>5</sup> Based on HP testing using the ENERGY STAR® program's Typical Electricity Consumption (TEC) method or as reported in [energystar.gov](http://energystar.gov) versus the top three leading competitors as of 8/2015. Actual results may vary. For details see [hp.com/go/Ljclaims](http://hp.com/go/Ljclaims).

<sup>6</sup> More pages versus predecessor cartridges claim based on page-yield comparison of HP 37X High Yield Black Original LaserJet Toner Cartridges with HP 87X High Yield Black Original LaserJet Toner Cartridges. For more information, see <http://www.hp.com/go/learnaboutsupplies>

<sup>6</sup> HP 37X High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately.

## Technical specifications disclaimers

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

<sup>2</sup> Cartridges included; yields 11,000 black pages based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>

<sup>3</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty.

<sup>4</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115 V device.

<sup>5</sup> Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>.

<sup>6</sup> May require a firmware upgrade to be compatible, download at <http://www.hp.com/go/support>

<sup>7</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

<sup>8</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.

<sup>9</sup> Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

<sup>10</sup> eMMC is non-volatile storage; Firmware encryption (AES 128 or AES 256) of customer/job data; Secure Cryptographic Erase – Job Data; Secure Erase – Disk

<sup>11</sup> Original HP LaserJet "A" and "X" toner cartridges are also compatible with this product.

<sup>12</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.

To learn more, visit [hp.com](http://hp.com)

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