

HP LaserJet Managed E50045dw



Unmatched performance. Deepest security.

Finish tasks faster with a printer that starts right away and helps conserve energy.¹ Multi-level device security helps protect from threats.² Original HP Toner cartridges with JetIntelligence and this printer produce more high-quality pages.³



Accelerate your work and use less energy

- Don't wait for documents. Print your first page in as few as 8.1 seconds from energy-efficient sleep mode.
- This printer is in low energy use – thanks to its innovative design and toner technology.⁴
- Speed through jobs on a variety of media. Print two-sided documents almost as quickly as one.
- Now almost 30% smaller – this printer fits in tight places and delivers quiet operation.⁵

Unparalleled fleet security and management

- Embedded features detect security threats and heal your printer, protecting it from boot up to shutdown.²
- Protect sensitive data stored on the printer and in transit, using embedded and optional security features.²
- Protect sensitive business data with embedded and optional HP JetAdvantage Security Solutions.⁶
- Centralise control of your print environment with HP Web Jetadmin⁷ – and help build business efficiency.

More. Pages, performance, and protection.

- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- Get more. Original HP Toner with JetIntelligence delivers more pages per cartridge than predecessors.³
- Help ensure the Original HP quality you paid for with anti-fraud and cartridge authentication technology.
- Print right away with a preinstalled toner cartridge. Replace it with an optional high-yield cartridge.⁸

Stay connected with secure mobile printing options

- Enable 128-bit encrypted wireless direct printing from mobile devices – without accessing the network.⁹
- Print with just a touch of your NFC-enabled mobile device to this printer – no network needed.¹⁰
- Easily access, print, and share resources with Ethernet and wireless networking.¹¹



Low energy



Color touchscreen



Wireless direct



NFC



HP JetAdvantage compatible

Product walkaround

HP LaserJet Managed E50045dw

1. 250 sheet output bin
2. Easy-access USB port
3. 100 sheet multipurpose Tray 1
4. Top cover (access to Original HP JetIntelligence toner cartridge)
5. 550 sheet Tray 2
6. 10.9 cm (4.3 in) colour touchscreen
7. Built-in wireless direct/NFC touch-to-print
8. Hardware Integration Pocket
9. Automatic two-sided printing
10. Gigabit Ethernet, Host USB port, Hi-Speed USB 2.0 printing port, Hi-Speed USB 2.0 port



Accessories, Supplies and Support

Supplies	CF287A HP 87A Black Original LaserJet Toner Cartridge (9,000 pages)
	CF287X HP 87X High Yield Black Original LaserJet Toner Cartridge (18,000 pages)
	CF287AS HP 87AS Black Original LaserJet Toner Cartridge (6,000 pages)
	CF287XC HP Black Contractual LaserJet Toner Cartridge (20,600 pages)
	W9017MC HP Black Managed LaserJet Toner Cartridge (22,500 pages)
Accessories	G6W84A HP 1 GB 90-pin DDR3 DIMM
	B5L29A HP High-Performance Secure Hard Disk
	F2A72A HP LaserJet 550-sheet Paper Tray
	F2A87A HP Internal USB Ports
	B5L28A HP Internal USB Ports
	F2A73A HP LaserJet Printer Cabinet
	F5S62A HP Trusted Platform Module Accessory
Connectivity	J8031A HP Jetdirect 2900nw Print Server
Service and support	U8TS5E HP 3 year Next Business Day with Defective Media Retention Service for LaserJet M506 E50045 Managed
	U8TS6E HP 4 year Next Business Day with Defective Media Retention Service for LaserJet M506 E50045 Managed
	U8TS7E HP 5 year Next Business Day with Defective Media Retention Service for LaserJet M506 E50045 Managed
	U8TT1PE HP 1 year Post Warranty Next Business Day with Defective Media Retention Service for LaserJet M506 E50045 Managed
	U8TT2PE HP 2 year Post Warranty Next Business Day with Defective Media Retention Service for LaserJet M506 E50045 Managed
	U9JT2E HP Installation Service with Network Configuration Workgroup Printer

Technical specifications

Model	HP LaserJet Managed E50045dw
Product number	3GN19A
Functions	Print
Control panel	10.92 cm (4.3 in) Colour Graphics Display (CGD) with touchscreen; Rotating (adjustable angle)
Print	
Print technology	Laser
Print speed	Black (A4, normal): Up to 43 ppm; Black (A4, duplex): Up to 34 ipm
First page out	Black (A4, ready): As fast as 6.0 sec; As fast as 11.5 sec (100 V); Black (A4, sleep): As fast as 8.1 sec; As fast as 13.7 sec (100 V)
Print resolution	Black (best): Up to 1200 x 1200 dpi; Technology: 300 dpi, 600 dpi, HP FastRes 1200, HP ProRes 1200
Monthly duty cycle ¹	Up to 150,000 pages (A4); Recommended monthly page volume²: 2,000 to 15,000
Printer smart software features	FutureSmart Firmware; Open Extensibility Platform; Instant-on Technology; HP Auto-On/Auto-Off technology; Easy Access USB; Two-Sided Printing; JetIntelligence cartridges; Mopria-certified; Apple AirPrint™; HP ePrint; Hardware Integration Pocket; Online help
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)
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 World Type); 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: 5 mm, Bottom: 5 mm, Left: 5 mm, Right: 5 mm
Duplex printing	Automatic (standard)
Processor speed	1.2 GHz
Connectivity	
Standard	Hi-Speed USB 2.0 port; Built-in Fast Ethernet 10Base-T/100Base-Tx, Gigabit Ethernet 1000Base-T
Optional	HP Jetdirect 2900nw Print Server J8031A
Wireless	Yes, embedded NFC/HP Wireless Direct and built-in Wi-Fi 802.11b/g/n
Mobile printing capability	Apple AirPrint™; HP ePrint; Wireless direct printing; Mopria™ Certified
Supported network protocols	Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, HP ePrint, FTP Print, Google Cloud Print; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPS, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x
Network capabilities	Yes, via built-in Gigabit Ethernet
Hard disk	Optional
Memory	Standard: 512 MB; Maximum : 1.5 GB
Media handling	
Number of paper trays	Standard: 2; Maximum: 5
Media types	Paper (bond, colour, letterhead, plain, preprinted, prepunched, recycled, rough); Envelopes; Labels; Cardstock; Transparencies; User-defined
Media size	Custom (metric): Tray 1: 76 x 127 to 216 x 356 mm; 550-sheet input Tray 2: 105 x 148 to 216 x 356 mm; Optional 550-sheet input Tray 3+: 105 x 148 to 216 x 356 mm Supported (metric): Tray 1: A4, A5, A6, B5, 16k, 10 x 15 cm, post cards (JIS single and double), envelopes (DL, C5, C6, B5); Tray 2: A4, A5, B5, 16k, double postcard; Optional trays 3+: A4, B5, 16k, double postcard; Optional Automatic Duplexer: A4
Media handling	Standard input: 100-sheet multipurpose Tray 1, 550-sheet input Tray 2, automatic duplex printing Standard output: 250-sheet output bin Optional input: Up to 3 optional 550-sheet paper feeders
Media weight	Tray 1: 60 to 200 g/m²; Tray 2+: 60 to 120 g/m²
Input capacity	Tray 1: Sheets: 100; Envelopes: 10 Tray 2: Up to 550 sheets Tray 3: Up to 550 sheets Maximum: Up to 2,300 sheets
Output capacity	Standard: Up to 250 sheets Envelopes: Up to 10 envelopes Transparencies: Up to 75 sheets Maximum: Up to 250 sheets
Compatible operating systems³	Windows OS compatible with In-Box Driver: Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc), Windows 7 all 32/64-bit editions, Windows 8/8.1 all 32/64-bit editions (excluding RT OS for Tablets), Windows 10 all 32/64-bit editions (excluding RT OS for Tablets); Windows OS compatible with Universal Print Driver (From http://www.hp.com): Windows XP SP3 32/64-bit editions (XP Home, XP Pro, etc), Windows Vista all 32/64-bit editions (Home Basic, Premium, Professional, etc), Windows 7 all 32/64-bit editions, Windows 8/8.1 all 32/64-bit editions (excluding RT OS for Tablets), Windows 10 all 32/64-bit editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from http://www.hp.com and Apple Store): OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, OS X 10.10 Yosemite; Mobile OS (In-OS drivers): iOS, Android, Windows 8/8.1/10 RT; Linux OS (In-OS HPLIP): SUSE Linux (12.2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), Debian (6.0.x, 7.x); Other OS: UNIX

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Compatible network operating systems	Windows OS compatible with In-Box Driver: Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services); Windows OS compatible with Universal Print Driver (UPD) or Product-Specific drivers from http://www.hp.com : Windows Server 2003/2003 R2 32/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services); Citrix (on Windows Server 2003/2003 R2): Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3); Citrix (on Windows Server 2008/2008 R2): Citrix XenApp 5.0 (Plus Feature Pack 2 & 3), Citrix XenApp 6.0/6.5/7.5, Citrix XenDesktop 5.6/7.0/7.5, Citrix (on Windows Server 2012/2012 R2), Citrix XenApp 7.5, Citrix XenDesktop 7.0/7.5; Novell Servers (http://www.novell.com/iprint): Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, NetWare 6.5/SP8; Novell Clients (http://www.novell.com/iprint): Windows 8 (32/64-bit) recommend v5.86+, 8.1 recommend v5.94+, Windows 7 (32/64-bit) recommend v5.82+, Windows Vista (32/64-bit) recommend v5.82+, Windows XP / SP3 (32-bit only) recommend v5.82+
Minimum system requirements	Windows: Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc), Windows 7 all 32/64-bit editions, Windows 8/8.1 all 32/64-bit editions (excluding RT OS for Tablets), Windows 10 all 32/64-bit editions (excluding RT OS for Tablets), CD-ROM or DVD drive, or Internet connection, Dedicated USB or network connection or Wireless connection, 200 MB available hard disk space, OS compatible hardware (For OS hardware requirements see http://www.microsoft.com); Mac: Mac OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, OS X 10.10 Yosemite, Internet, USB, 1 GB available hard disk, OS compatible hardware (For OS hardware requirements see http://www.apple.com)
Software included	For Windows OS: HP Software Installer/Uninstaller, HP PCL 6 Printer Driver, HP Device Experience (DXP), HP Update, Product Registration Assist, HP Web Services Assist (HP Connected), online user manuals; For Mac OS: Welcome Screen (directs users to http://www.hp.com or OS App Store for LaserJet Software)
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
Printer management	Printer Management; Printer Administrator Resource Kit (Driver Configuration Utility, Driver Deployment Utility, Managed Printing Administrator); HP Web JetAdmin Software; HP Proxy Agent Software; HP JetAdvantage Security Manager.
Dimensions and Weight	
Printer dimensions (W x D x H)	Minimum: 418 x 376 x 326 mm; Maximum: 418 x 639 x 326 mm
Package dimensions (W x D x H)	497 x 398 x 466 mm
Printer weight	11.8 kg
Package weight	14.6 kg
Operating environment	Temperature: 15 to 32.5°C; Humidity: 30 to 70% RH
Storage	Temperature: -20 to 60°C; Humidity: 10 to 90% RH
Acoustics⁴	Acoustic power emissions: 6.8 B(A); Acoustic pressure emissions: 54 dB(A)
Power⁵	Requirements: Input voltage: 200 to 240 VAC, 50 Hz (Not dual voltage, power supply varies by part number with option code identifier); Consumption: 741.98 watts (active printing), 13.72 watts (ready), 2.51 watts (sleep), 0.08 watts (auto-off), 0.08 watts (off); Typical Electricity Consumption (TEC)⁶: Blue Angel: 1.824 kWh/Week; Energy Star: 1.997 kWh/Week; Power supply type: Internal (Built-in) power supply
Certifications	CISPR 22:2008 (International) - Class A, EN 55022:2010 (EU) - Class A, EN 61000-3-2:2006+A1:2009+A2:2009, EN 61000-3-3:2008, EN 55024:2010, EMC Directive 2004/108/EC, Issue 5 Class A. Other EMC approvals as required by individual countries. ENERGY STAR® qualified; EPEAT® Silver; CECP Blue Angel compliant: Yes, Blue Angel RAL-UZ 205
What's in the box	HP LaserJet Managed E50045dw Printer; HP Black LaserJet Toner Cartridge; CD; Warranty guides; HIGS; Erratas
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 internal testing of top three leading competitors' first page out from sleep mode and duplex print speed completed 8/2015. Subject to device settings. Actual results may vary. For details, see <http://www.hp.com/go/Ljclaims>.

² Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printsecurity>.

³ More pages versus predecessor cartridges claim based on page-yield comparison of HP 55X 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>.

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 <http://www.hp.com/go/Ljclaims>.

⁵ Compared with the HP LaserJet Enterprise P3015.

⁶ Some solutions require download or additional purchase. Learn more at <http://www.hp.com/go/printingsolutions>.

⁷ HP Web Jetadmin is free and available for download at <http://www.hp.com/go/webjetadmin>.

⁸ HP 87X High Yield Black Original LaserJet Toner Cartridges not included. Please purchase separately.

⁹ Mobile device needs to be connected directly to the Wi-Fi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. For details, see <http://www.hp.com/go/businessmobileprinting>.

¹⁰ Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see <http://www.hp.com/go/businessmobileprinting>.

¹¹ Wireless networking requires purchase of the HP Jetdirect Z900nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections.

Technical specifications disclaimers

¹ 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.

² 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.

³ Not all "Compatible Operating Systems" are supported with inbox software. Full solution software available only for Windows 7 and newer. Legacy Windows Operation Systems (XP, Vista, and equivalent servers) get print and Scan drivers only. Windows RT OS for Tablets (32/64-bit) uses a simplified HP print driver built into the RT OS. UNIX modelscripts are available on <http://www.hp.com> (Models scripts are printer drivers for UNIX operating systems). Linux systems use in-OS HPLIP software.

⁴ Acoustic values are subject to change. For current information see <http://www.hp.com/support>. Configuration tested: dn model, simplex printing, A4 paper at 43 ppm.

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.

⁶ Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).



www.blauer-engel.de/uz205



<http://www.hp.com/uk>

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