

HP LaserJet Managed E50045dw



Finish tasks faster with a printer that starts right away and helps conserve energy.¹ Multi-level device security helps protect from threats.⁷ Original HP Toner cartridges with JetIntelligence and this printer produce more high-quality pages.²



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.⁵
- 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.³

Unparalleled fleet security and management

- Embedded features detect security threats and heal your printer, protecting it from boot up to shutdown.⁷
- Protect sensitive data stored on the printer and in transit, using embedded and optional security features.⁷
- Protect sensitive business data with embedded and optional HP JetAdvantage Security Solutions.⁹
- Centralize control of your print environment with HP Web Jetadmin—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.²
- 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.⁶

Stay connected with secure mobile printing options

- Enable 128-bit encrypted wireless direct printing from mobile devices—without accessing the network.¹¹
- Print with just a touch of your NFC-enabled mobile device to this printer—no network needed.¹²
- Easily access, print, and share resources with Ethernet and wireless networking.¹⁰



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 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> ³ Compared with the HP LaserJet Enterprise P3015. ⁴ Purchase of optional paper trays required to reach maximum input capacity. ⁵ 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> ⁶ HP 87X High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately. ⁷ 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> ⁸ HP Web Jetadmin is free and available for download at <http://www.hp.com/go/webjetadmin> ⁹ Some solutions require download or additional purchase. Learn more at <http://www.hp.com/go/printingsolutions> ¹⁰ Wireless networking requires purchase of the HP Jetdirect 2900nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections. ¹¹ Mobile device needs to be connected directly to the WiFi 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> ¹² Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see <http://www.hp.com/go/businessmobileprinting> ¹³ An FCC Class A emissions compliant device meets the less stringent (higher) levels of emissions allowed by the FCC for a product operation in a commercial environment. An FCC class A device cannot be marketed for use in a residential environment and an FCC class A device should not be purchased for use in a residential environment due to the increased risk of interference to radio communications.

HP LaserJet Managed E50045dw Specifications Table

Print Speed	A4: Up to 43 ppm; Letter: Up to 45 ppm black; ¹⁸ First Page Out: As fast as 6.0 sec; As fast as 11.5 sec (100 V) black; ¹⁹	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 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 2003/2003R2): 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 2012/2012R2), 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-bit / 64-bit) recommend v5.86+, 8.1 recommend v5.94+, Windows 7 (32-bit / 64-bit) recommend v5.82+, Windows Vista (32-bit / 64-bit) recommend v5.82+, Windows XP / SP3 (32-bit only) recommend v5.82+
Print Resolution	Black (best): Up to 1200 x 1200 dpi	Minimum System Requirements	PC: 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)
Print Technology	Laser	Power	Power Supply Type: Internal (Built-in) power supply; Power Requirements: Input voltage: 100 to 127 VAC, 60 Hz; Input voltage: 200 to 240 VAC, 50 Hz (Not dual voltage, power supply varies by part number with #option code identifier); Power Consumption: 741.98 watts (Active Printing), 13.72 watts (Ready), 2.51 watts (Sleep), 0.08 watts (Auto-Off), 0.08 watts (Off) ²
Print Resolution Technologies	300 dpi, 600 dpi, HP FastRes 1200, HP ProRes 1200	Acoustics	Acoustic Power Emissions (active): 6.8 B(A); Acoustic Power Emissions (ready): 4.0 B(A); Acoustic Pressure Emissions (active): 54 dB(A); Acoustic Pressure Emissions (ready): 24 dB(A) ⁶
Print Cartridges Number	2 (black)	Operating Environment	Operating Temperature Range: 15 to 32.5°C; Recommended Operating Temperature: 17.5 to 25°C; Storage Temperature Range: -20 to 60°C; Non-Operating Humidity Range: 10 to 90% RH; Operating Humidity Range: 10 to 80% RH; Recommended Humidity Operating Range: 30 to 70% RH
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)	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; HTTPPS; 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; Whistleblasting - 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 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	Accessories	HP LaserJet 550-sheet Paper Tray F2A72A, HP LaserJet Printer Cabinet F2A73A, 1 GB DDR3 SlimDIMM G6W84A, HP Secure High Performance Hard Disk Drive B5L29A, HP Trusted Platform Module Accessory F5S62A, HP Internal USB Ports B5L28A, HP Internal USB Ports Qty 100 for M506 and M527 F2A88A, HP Universal Card Reader X3D03A, HP HP2 Keystroke Reader Y7C05A, HP Accessibility Assistant ZMU47A, HP Removable Hard Drive Enclosure ZNR12A
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.	Learn more at	hp.com
Standard Connectivity	Hi-Speed USB 2.0 port; built-in Fast Ethernet 10Base-T/100Base-Tx, Gigabit Ethernet 1000Base-T		
Network Capabilities	Yes, via built-in Gigabit Ethernet		
Wireless Capability	Yes, Embedded NFC/HP Wireless Direct and built-in WiFi 802.11b/g/n		
Mobile Printing Capability	Apple AirPrint™; HP ePrint; Wireless direct printing; Mopria™ Certified ¹⁷		
Memory	Standard: 512 MB; Maximum: 1.5 GB		
Processor Speed	1.2 GHz / Hard disk: Optional		
Duty Cycle	Monthly, A4: Up to 150,000 pages ⁷		
Recommended Monthly Page Volume	2000 to 15,000 ⁸		
Media Types Supported	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined		
Media Weight Supported	Tray 1: 60 to 200 g/m ² ; Tray 2+: 60 to 120 g/m ²		
Media Sizes Supported	Tray 1: A4, A5, A6, B5, 16k, 10 x 15 cm, post cards (JIS single and double), envelopes (DL, C, C6, B5); Tray 2: A4, A5, B5, 16k, double postcard; Optional trays 3+: A4, B5, 16k, double postcard; Optional Automatic Duplexer: A4		
Media Sizes Custom	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		
Paper Handling	100-sheet multipurpose Tray 1, 550-sheet input Tray 2, automatic duplex printing; 250-sheet output bin; Duplex Options: Automatic (standard); Envelope Feeder: No; Standard Paper Trays: 2; Input Capacities: Up to 650 sheets, standard; Output Capacities: Up to 250 sheets, standard; Up to 10 envelopes; Up to 75 sheets, transparencies		
What's in the box	3GN19A HP LaserJet Managed E50045dw Printer; HP Black LaserJet Toner Cartridge; CD; Warranty Guides; HIGs; Erratas ²⁰		
Replacement Cartridges	HP CF287XC Black Contractual LaserJet Toner Cartridge (~20,600 pages) CF287XC; HP W9017MC Black Managed LaserJet Toner Cartridge (~22,500 pages) W9017MC[5, 21]		
Product Dimensions	W x D x H: 418 x 376 x 326 mm; 16.46 x 14.80 x 12.83 in ¹³ ; Maximum: 418 x 639 x 326 mm; 16.46 x 25.16 x 12.83 in		
Product Weight	11.8 kg; 25.9 lb ¹⁴		
Warranty Features	NA/EMEA: 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; AP: One year return to bench		
Energy Efficiency Compliance	ENERGY STAR® qualified; EPEAT® Silver; CECP		
Control Panel	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)		
Display Description	4.3-in color touchscreen		
Software Included	For Windows OS: HP Software Installer/Uninstaller, HP PCL 6 Print 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)		
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		
Compatible Operating Systems	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 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 ¹¹		

¹ AirPrint™ and iOS 4.2 or later devices require an 802.11 wireless network connection to the printer. Wireless performance is dependent upon physical environment and distance from the access point. AirPrint and the AirPrint Logo are trademarks of Apple® Inc. Wireless operations are compatible with 2.4 GHz operations only. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at http://www.hp.com/go/mobileprinting. ² 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. ³ Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh). ⁴ Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. ⁵ Declared yield value in accordance with 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. ⁶ 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 ⁷ 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. ⁸ 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. ⁹ HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. Only available with Original HP supplies; Internet access required. To learn more, visit http://www.hp.com/go/SureSupply. ¹⁰ Paper handling accessories are offered separately and with an additional cost. ¹¹ Not all "Compatible Operating Systems" are supported with in-box 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 model scripts are available on HP.com (Model scripts are print drivers for UNIX operating systems); Linux systems use in-OS HPLIP software. ¹³ Width includes 0.16 in (4 mm) per side for side handle protrusions. Height with touchscreen fully raised. ¹⁵ Includes toner cartridge weight and 550-sheet tray feeder

