

# HP LaserJet Managed E50145 series

Handle business solutions securely, plus help conserve energy with HP EcoSmart toner

**MFP**  
TELECOMS & COPIERS

Choose an HP LaserJet Enterprise printer designed to handle business solutions securely and efficiently, and helps conserve energy with HP EcoSmart black toner. Keep up with the demands of growing business with a printer you can rely on.<sup>8</sup>

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: <http://www.hp.com/learn/ds>



HP LaserJet Managed E50145dn

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

- Each printer in your fleet checks its operating code and repairs itself from attacks.
- Your printer's outgoing network connections are inspected to stop suspicious requests and thwart malware.
- Memory activity is monitored to continually detect and stop attacks.
- Firmware is automatically checked during startup to determine if it's authentic code—digitally signed by HP.

## Low costs, low energy use

- Stay productive with reliable cartridges, and help save energy while printing with HP EcoSmart black toner.<sup>8</sup>
- Spend less time replacing toner, and more on business. Choose optional high-yield toner cartridges.<sup>2</sup>
- Enhanced energy savings—up to 29% over prior products, plus save with Auto-on/Auto-off technology.<sup>3</sup>
- This printer fits in tight places to boost performance in almost any workspace.

## Your whole fleet. At your control.

- Centralize control of your printing environment with HP Web Jetadmin<sup>5</sup>—and help build business efficiency.
- Gain insights into print costs, behaviors, utilization to drive efficiencies with this cloud-based printer.
- Set security configuration policies and automatically validate settings for every HP printer in your fleet.<sup>4</sup>

## Enhanced productivity keeps business moving

- Submit print jobs on the go and securely release them at any HP Roam-enabled office printer, securely.<sup>7</sup>
- Easily print from a variety of smartphones and tablets—generally no setup or apps required. <sup>6</sup>
- Don't wait for documents. Print your first page in as little as 5.9 seconds from energy-efficient sleep mode.



## Product walkaround

1. 2nd generation Hardware Integration Pocket
2. Easy-access USB port
3. Top cover release button
4. 100-sheet multipurpose tray 1 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)
5. 4.3-inch (10.9 cm) color touchscreen
6. 250-sheet output bin
7. Top cover (access to JetIntelligence toner cartridge)
8. Automatic two-sided printing
9. 550-sheet input tray 2 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)
10. Slot for cable-type security lock
11. Gigabit Ethernet, Host USB port
12. Hi-Speed USB 2.0 printing port
13. USB port for connecting external USB devices



## Series at a glance



Model	HP LaserJet Managed E50145dn
Product number	1PU51A
Print speed (black) <sup>3</sup>	Up to 45/43 pages per minute (ppm) (letter/A4)
First page out (from ready) <sup>4</sup>	As fast as 5.9/5.9 seconds (letter/A4)
Automatic two-sided printing	√
100-sheet multipurpose tray 1, 550-sheet input tray 2	√
Optional 550-sheet paper tray	Add up to three
Optional printer cabinet	Add up to one
Input capacity (standard/maximum <sup>5</sup> )	Up to 650/2,300 sheets
Recommended monthly page volume <sup>6</sup>	2,000 to 15,000 pages
Managed Cartridge yield	Black: ~23,000 pages
Optional wireless direct printing/NFC touch-to-print <sup>9</sup>	√

## HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

For carepack availability visit: [hp.com/go/cpc](http://hp.com/go/cpc)

## Top features

HP printers have the industry's strongest security<sup>1</sup> because they're always on guard, continually detecting and stopping threats while adapting to new ones. And only HP printers automatically self-heal from attacks, so IT doesn't need to intervene. Good resource management is good business. Help reduce costs and energy use with an HP LaserJet designed to be more efficient than its predecessors, using HP JetIntelligence toner cartridges. HP, like you, is committed to keeping business moving. Every business values a problem solver. Help get more control with a robust management system and solutions that keep up with modern business. Easy-to-use features, fast print speeds, and simple mobile printing options help you keep up with the speed of business.

### Accessories

2MU47A	HP Accessibility Assistant
2NR12A	HP Removable Hard Drive Enclosure
3JN69A	HP Jetdirect 3100w BLE/NFC/Wireless Accessory
4QL32A	HP Legic Secure USB Reader
5EL03A	HP TAA Version Secure Hard Disk Drive
B5L28A	HP Internal USB Ports
B5L29A	HP High-Performance Secure Hard Disk
F2A72A	HP LaserJet 550-sheet Paper Tray
F2A73A	HP LaserJet Printer Cabinet
G6W84A	HP 1 GB 90-pin DDR3 DIMM
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory
X3D03A	HP Universal USB Proximity Card Reader
Y7C05A	HP HIP2 Keystroke Reader

### Services

UB7E7E	- HP 3 years Next Business Day w/DMR LaserJet Enterprise E50145 MNGD SVC
UB7E8E	- HP 4 years Next Business Day w/DMR LaserJet Enterprise E50145 MNGD SVC
UB7E9E	- HP 5y Next Business Day w/DMR LaserJet Enterprise E50145 MNGD SVC
UB7F0E	- HP3 years 4 hours 9x5 w/DMR LaserJet Enterprise E50145 MNGD SVC
UB7F1E	- HP 4 years 4 hours 9x5 w/DMR LaserJet Enterprise E50145 MNGD SVC
UB7F2E	- HP 5 years 4 hours 9x5 w/DMR LaserJet Enterprise E50145 MNGD SVC
UB7F3E	- HP3 years Chnl Parts Only LaserJet Enterprise E50145 MNGD SVC
UB7F4E	- HP 4 years Chnl Parts Only LaserJet Enterprise E50145 MNGD SVC
UB7F5E	- HP 5 years Chnl Parts Only LaserJet Enterprise E50145 MNGD SVC



## HP LaserJet Managed E50145 series

Model	HP LaserJet Managed E50145dn
Product number	1PU51A
<b>Print</b>	
Print speed <sup>8,9</sup>	First page out Letter: As fast as 5.9 sec Black; First page out A4: As fast as 5.9 sec Black; Letter: Up to 45 ppm (default) ; Up to 52 ppm (HP High Speed) Black; A4: Up to 43 ppm (default) ; Up to 50 ppm (HP High Speed) Black; Print speed (Landscape, A5): Up to 65 ppm Black.
Print resolution	Black (best) Up to 1200 x 1200 dpi; Black (normal) Up to 600 x 600 dpi; Black (fine lines) Up to 1200 x 1200 dpi
Print technology	Laser; Print resolution technology: 300 dpi, 600 dpi, HP FastRes 1200, HP ProRes 1200
Print cartridges number	1 (black)
Standard print languages	HP PCL 6, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
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
Printer management / HP SureSupply	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) / No
<b>Connectivity</b>	
Standard connectivity	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network
Network capabilities	HP Jetdirect 2900w Print Server J8031A, HP Jetdirect 3000w NFC/Wireless Accessory J8030A, HP Jetdirect 3100w BLE/NFC/Wireless
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 2900w Print Server J8031A
Mobile printing capability <sup>4</sup>	Apple AirPrint™, Google Cloud Print™, HP ePrint, Mopria™ Certified, ROAM capable for easy printing
Memory	Standard: 512 MB; Maximum: 1.5 GB, MAX memory, when 1 GB Accessory DIMM is installed
Processor speed	1.2 GHz / Storage: 8 GB eMMC / Hard disk: Optional, 500 GB minimum encrypted hard disk drive
Duty cycle (monthly) <sup>5</sup>	Letter: Up to 150,000 pages; A4: Up to 150,000 pages; Recommended monthly page volume <sup>6</sup> : 2,000 to 15,000
<b>Paper handling</b>	
Input	100-sheet multipurpose Tray 1, 550-sheet input Tray 2, automatic duplex printing; Up to 650 sheets Standard
Output	Standard: 250-sheet output bin; Up to 250 sheets Standard; Transparencies: Up to 75 sheets
Duplex Options	Automatic (standard)
Envelope feeder	No
Standard paper trays	2
Media types	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined
Media weight	Tray 1: 16 to 53 lb; tray 2+: 16 to 32 lb
Media sizes	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, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional Automatic Duplexer: letter, legal, 8.5 x 13 in
Media Sizes Custom	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4.14 x 5.83 to 8.5 x 14 in; Optional 550-sheet Tray: 4.14 x 5.83 to 8.5 x 14 in
Dimensions (w x d x h)	16.46 x 14.80 x 12.83 in; 418 x 376 x 326 mm; Maximum: 16.46 x 25.16 x 12.83 in; 418 x 639 x 326 mm
Weight <sup>2</sup>	25.5 lb; 11.48 kg
What's in the box <sup>1</sup>	HP LaserJet Managed E50145dn Printer; Regulatory flyer; Unpack flyer; Installation Guide; Power cord; Warranty Cards; Support flyers/ phone number list
Replacement cartridges	HP Black Managed LaserJet Toner Cartridge (~23,000 pages) W9008MC
Warranty features	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or 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; wty ID A001)
Energy star certified	Yes
Energy efficiency compliance <sup>10</sup>	Blue Angel; EPEAT® Silver; CECP; ENERGY STAR® qualified
Control panel	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button
Display	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)
Software included	No software solutions are included in the Box, only on <a href="http://hp.com">http://hp.com</a> , <a href="http://123.hp.com">http://123.hp.com</a>
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 <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>
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 <a href="http://support.hp.com">http://support.hp.com</a> , 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 <a href="http://www.hp.com/go/upd">http://www.hp.com/go/upd</a>
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 <a href="http://citrixready.citrix.com">http://citrixready.citrix.com</a> , Linux- For more information see <a href="http://developers.hp.com/hp-linux-imaging-and-printing">http://developers.hp.com/hp-linux-imaging-and-printing</a> , Unix- For more information see <a href="http://hp.com/go/unixmodelscripts">http://hp.com/go/unixmodelscripts</a> , UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see <a href="http://hp.com/go/upd">http://hp.com/go/upd</a>
Minimum system requirements	PC: 2 GB available hard disk space, Internet connection, USB port, Internet browser. (For Additional OS hardware requirements see microsoft.com); Mac: 2 GB Available hard drive Space, Internet connection or USB port, OS hardware requirements see apple.com
Power <sup>12 13</sup>	Power supply type: Built-in 115V or 220V Power Supply; Power supply required: Input voltage: 100 V to 127 V nominal (+/-10%); 50 - 60 Hz nominal (+/- 3 Hz); 7.5 A; Input voltage: 220 V to 240 V nominal (+/-10%); 50 - 60 Hz nominal (+/- 3 Hz); 4 A. Not dual voltage, power supply varies by part number with # Option code identifier.; Power consumption <sup>11</sup> : 601 watts (Active Printing), 7.60 watts (Ready), 2.61 watts (Sleep), 0.06 watts (Auto-Off), 0.06 watts (Off), Auto Off/Wake on LAN 0.73 Watt; Typical electricity consumption (TEC) number: 1.257 kWh/Week (Blue Angel); 0.420 kWh/Week (Energy Star 3.0); Best technical electricity consumption (TEC): 1.257 kWh/week
Acoustics <sup>14</sup>	Acoustic power emissions: 6.8 B(A)
Operating environment	Operating temperature range: 59 to 86°F; Recommended operating temperature: 63.5 to 77°F; Storage temperature range: -4 to 104°F; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH
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 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 (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,...); Connection Inspector - helps ensure network connections to device are safe; Security management: Compatible with HP JetAdvantage Security Manager, HP Printer Security Plugin for Microsoft SCCM, Device Security Syslog Messages processed and accessible in ArcSight, Splunk, and McAfee (ESM) SIEMs

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

© Copyright 2021 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

4AA7-4651ENU, June 2021, R6

