HP Color LaserJet Managed E45028 series

HP's entry-level Enterprise-class color printer with speeds up to 28 ppm[9] and strongest security.[1]

HP Managed MFPs and printers are optimized for managed environments. With increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.

This printer uses dynamic security, which may be updated periodically by firmware updates. The printer is intended to be used solely with cartridges using an original HP chip. Cartridges using a non-HP chip may not function or may cease to function. More at: www.hp.com/learn/ds

HP Color LaserJet Managed E45028dn

Easy to use, simple to manage

- HP FutureSmart firmware can be updated with the latest features[2] to optimize your investment for years to come.
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.[3]
- Easily enable workflows across your fleet with a consistent user experience and intuitive, tablet-like icons.
- Set up this printer fast, and easily manage device settings to help increase efficiency.

The world's most secure printing[1]

- The operating code (BIOS) is automatically checked during startup and repairs itself if compromised.
- Common Criteria certified[4] to continually monitor memory activity to detect and stop attacks in real time.
- Firmware is automatically checked during startup to determine if it's authentic code— digitally signed by HP.
- The printer's outgoing network connections are inspected to stop suspicious requests and thwart malware.

Enhanced productivity to empower work teams

- Give workgroups what they need to succeed with hundreds of HP and third-party solutions and card reader support.
- Help ensure the security of confidential information with PIN/Pull printing to retrieve print jobs.
- Stay connected with an optional accessory for wireless,[6] Bluetooth® Low Energy, and NFC touch-to-print.
- Print directly from the 2.7-inch (6.9 cm) color display.

Sustainability is smart business

- Help save paper right out of the box. Two-sided (duplex) printing is set at default for automatic savings.[7]
- Help reduce wasted paper and toner by only printing jobs that are truly needed, using HP Roam for Business.[8]
- Save energy without sacrificing performance—this printer is ENERGY STAR® and Blue Angel certified.
- Remove barriers and help meet compliance and accessibility standards with the HP Accessibility Kit (which includes Braille overlay and tactile adhesives, an HP Access Handle, and BigKeys LX Keyboard) and compatibility with HP Accessibility Assistant.

Product walkaround

1. 150-sheet output bin
2. Easy-access USB port[1]
3. Front door, access to Original HP toner cartridges with JetIntelligence
4. Automatic two-sided printing (default)[2]
5. 50-sheet multipurpose input tray 1
6. 250-sheet input tray 2
7. 2.7" (6.9 cm) color graphics display
8. Convenient front on/off switch
9. Right door, access to print path
10. Hi-Speed USB 2.0 port for third-party devices
11. Hi-Speed USB 2.0 printing port
12. Gigabit Ethernet network port

Series at a glance

Model	HP Color LaserJet Managed E45028dn
Product number	3QA35A
Print speed (Letter/A4)[3]	Up to 29/27 ppm
First page out (Letter/A4)[4]	As fast as 9.3/9.5 seconds mono, 10.9/11.0 seconds color
Control panel	2.7" (6.9 cm) color graphics display
Memory	1.25 GB
Storage	4 GB eMMC
Automatic two-sided printing (default)[2]	√
Input capacity (standard/maximum)	Up to 300/850 sheets
50-sheet input tray 1	√
250-sheet input tray 2	√
550-sheet input tray 3	Optional
Recommended monthly page volume (RMPV)[5]	1,500 to 7,500 pages
Duty cycle	Up to 65,000 pages
Managed cartridge yields (black/color)	8,600/6,900 pages
Dual-band Wi-Fi with Bluetooth® Low Energy, Wi-Fi Direct®[6]	Optional
ENERGY STAR® qualified	√

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

Top features

Set up work teams for success without adding more to your plate. Help people handle business wherever it happens while giving IT fleet-wide control it needs, using a compact printer built for simple use and management.

HP printers have the industry's strongest security[1] because they're always on guard, continually stopping threats while adapting to new ones. And only HP printers can automatically self-heal from attacks, so IT doesn't need to intervene.

Simplify collaboration and productivity with a streamlined printer that supports how people work today: fast, nimble, and connected. Print premium color documents businesses need to look professional, day in and day out.

Business is all about resource management, and finding efficiencies is everyone's responsibility. This compact color printer is designed for low energy use, to help people complete tasks quickly while conserving wherever possible.

Accessories

3JN69A	HP Jetdirect 3100w BLE/NFC/Wireless Accessory
4QL32A	HP Legic Secure USB Reader
8FP31A	HP Jetdirect LAN Accessory
B5L31A	HP Foreign Interface Harness
CF404A	HP LaserJet 550-sheet Feeder Tray
X3D03A	HP Universal USB Proximity Card Reader
Y7C05A	HP HIP2 Keystroke Reader

Solutions

Overview: The HP Solutions portfolio provides a broad array of solutions designed to work with many HP printers and MFPs. They can help improve productivity, safeguard your data, and drive down costs. Helping employees and your IT team work more efficiently.

Security: HP JetAdvantage Security Manager fleet security compliance and management; HP Access Control; HP JetAdvantage Secure Print; Card readers; Secure Encrypted Print (UPD)

Mobile and universal print: HP Universal Print Driver (UPD); HP Print for Chrome; HP Roam for Business; HP ePrint; HP PrinterOn Enterprise

Management: HP Web JetAdmin; HP JetAdvantage Security Manager; HP JetAdvantage Insights; HP Smart Device Services (SDS)

Services

U11WSE - HP 3y NBD CLJ MNGD E45028 SVC

U11WTE - HP 4y NBD CLJ MNGD E45028 SVC

U11WVE - HP 5y NBD CLJ MNGD E45028 SVC

U11WWE - HP 3y 4h 9x5 CLJ MNGD E45028 SVC

U11WXE - HP 4y 4h 9x5 CLJ MNGD E45028 SVC

U11WYE - HP 5y 4h 9x5 CLJ MNGD E45028 SVC

U11WZE - HP 3y ChnlPartsOnly CLJ MNGD E45028SVC

U11X0E - HP 4y ChnlPartsOnly CLJ MNGD E45028SVC

U11X1E - HP 5y ChnlPartsOnly CLJ MNGD E45028 SVC

U11X2PE - HP 1y PW NBD CLJ MNGD E45028 SVC

U11X3PE - HP 2y PW NBD CLJ MNGD E45028 SVC

U11X4PE - HP 1y PW 4h 9x5 CLJ MNGD E45028 SVC

U11X5PE - HP 2y PW 4h 9x5 CLJ MNGD E45028 SVC

U11X6PE - HP 1yPWChnlPartsOnly CLJ MNGD E45028 SVC

U11X7PE - HP 2yPWChnlPartsOnly CLJ MNGD E45028 SVC

U9JT3E - HP Inst SVC w/nw Department Printer

HP Color LaserJet Managed E45028 series

Model	HP Color LaserJet Managed E45028dn
Product number	3QA35A
AIO functions	Print
Print	
Print speed[7],[9],[8]	**First page out Letter:** As fast as 9.3 sec Black; As fast as 10.9 sec Color; **First page out A4:** As fast as 9.5 sec Black; As fast as 11.0 sec Color; **Letter:** Up to 29 ppm Black; Up to 29 ppm Color; **A4:** Up to 27 ppm Black; Up to 27 ppm Color; **Print speed (Landscape, A5):** Up to 49 ppm Black; Up to 49 ppm Color
Print resolution	**Black (best)** Up to 600 x 600 dpi; **Black (normal)** Up to 600 x 600 dpi **Color (best):** Up to 600 x 600 dpi; **Color (normal):** Up to 600 x 600 dpi
Print technology	Laser; **Print resolution technology:** HP ImageREt 3600, Enhanced (600x600 dpi), Fine Lines (1200x1200 dpi), Quickview (300x300 dpi)
Print cartridges number	4 (1 each black, cyan, magenta, yellow)
Standard print languages	HP PCL 6, HP PCL 5, 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 Web JetAdmin Software, HP JetAdvantage Security Manager, HP SNMP Proxy Agent (Part of HP WebJetAdmin), HP WS Pro Proxy Agent (Part of HP WebJetAdmin), Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)/
Connectivity	
Standard connectivity	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabyte Ethernet 10/100/1000T network; 1 FAX
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); second Ethernet port (Optional).
Wireless capability	Optional, enabled with purchase of a wireless hardware accessory. Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A
Mobile printing capability[6]	HP ePrint; Apple AirPrint™; Mopria™ Certified; NFC touch-to-print (optional); Wi-Fi® Direct printing; ROAM capable for easy printing; PrinterOn Print
Memory	**Standard:** 1.25 GB; **Maximum:** 1.25 GB
Processor speed	800MHz / **Storage:** 4 GB eMMC /
Duty cycle (monthly)	**Letter:** Up to 65,000 pages; **A4:** Up to 65,000 pages; **Recommended monthly page volume:** 1,500 to 7,500 pages

HP Color LaserJet Managed E45028 series

Model	HP Color LaserJet Managed E45028dn
Product number	3QA35A
Paper handling	
Input	50-sheet multipurpose tray, 250-sheet input tray
Output	**Standard:** 150-sheet output bin; Up to 150 sheets Standard
Duplex Options	Automatic (default)
Envelope feeder	No
Standard paper trays	2
Media types	Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, labels, envelopes
Media weight	Tray 1: 16 to 47 lb bond (up to 52 lb with HP Color laser glossy photo papers); Tray 2: 16 to 43 lb bond (up to 47 lb with postcards, up to 52 lb with HP Color laser glossy photo papers); optional Tray 3: 16 to 43 lb bond (up to 47 lb with postcards, up to 40 lb with HP Color laser glossy photo papers); Automatic duplexer: 16 to 43 lb
Media sizes	Tray 1: letter, legal, oficio, executive, statement, 4 x 6, 3 x 5, 5 x 7, 5 x 8, postcard (JIS), double postcard (JIS), 8.5 x 13, envelope (commercial No. 9, No. 10, Monarch); Custom: 3 x 5 to 8.5 x 14 in; Tray 2: letter, executive, statement, 4 x 6, 5 x 7, 5 x 8, double postcard (JIS); Custom: 3.9 x 5.8 to 8.5 x 14 in; Optional Tray 3: letter, executive, statement, 4 x 6, 5 x 7, 5 x 8, double postcard (JIS); Custom: 3.9 x 5.8 to 8.5 x 14 in
Media Sizes Custom	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 3.9 x 5.8 to 8.5 x 14 in; Optional Tray 3: 3.9 x 5.8 to 8.5 x 14 in
Dimensions (w x d x h)	16.3 x 18.6 x 12 in; 413.6 x 472 x 304.4 mm; **Maximum:** 16.3 x 40.9 x 13 in (printer fully opened); 413.6 x 1038 x 330 mm (printer fully opened)
Weight	~41.7 lbs; ~18.9 kg
What's in the box[2]	HP Color LaserJet Managed E45028dn printer; HP Black Original LaserJet Toner Cartridge (~2,400 pages) HP Cyan, Magenta, Yellow Original LaserJet Toner Cartridges (~2,100 pages each); Fixed-Size Paper Tray Guides; Getting started Guide; 1 Power cord
Replacement cartridges[4]	HP Black Managed Original LaserJet Toner Cartridge (~8600 pages) W9090MC; HP Cyan Managed Original LaserJet Toner Cartridge (~6900 pages) W9091MC; HP Yellow Managed Original LaserJet Toner Cartridge (~6900 pages) W9092MC; HP Magenta Managed Original LaserJet Toner Cartridge (~6900 pages) W9093MC
Warranty features	One-year, On-site Repair 24-hour, 7 days a week phone support
Energy star certified	Yes
Energy efficiency compliance[1]	Blue Angel RAL-UZ 205; CECP; ENERGY STAR® certified; EPEAT® Silver
Control panel	2.7" Color Non-Touch Control Panel with 24 Keypad
Display	2.658" diagonal Color TFT-LCD back-lit (960 (H) x 240 (V)
Software included	No software solutions are included in the Box only on http://hp.com or http://123.hp.com
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 Client OS (32/64 bit)-, Win10, Win8.1, Win7 Ultimate, Mobile OS-, iOS, Android, Mac-, Apple® MacOS High Sierra v10.13, Apple® MacOS Mojave v10.14, Apple® MacOS Catalina v10.15, Discrete PCL6 Printer Driver-, For more information on the supported operating systems go to http://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 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, Windows Server 2019 64-bit, 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://citrixready.citrix.com, Linux- For more information see http://developers.hp.com/hp-linux-imaging-and-printing, Unix- For more information see http://hp.com/go/unixmodelscripts, Linux- For more information see http://developers.hp.com/hp-linux-imaging-and-printing, Unix- For more information see http://hp.com/go/unixmodelscripts
Minimum system requirements	**PC:**2 GB available hard disk space Internet connection or USB port Internet browser. For additional OS hardware requirements see microsoft.com; **Mac:** 2 GB available hard drive space Internet connection or USB port Internet browser. For additional OS hardware requirements see apple.com
Power[3]	**Power supply type:** Internal (built-in) Power Supply; **Power supply required:** 110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz (+/- 3 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60Hz (+/- 3 Hz) (Not dual voltage, power supply varies by part number with # Option code identifier); **Power consumption:** 574 watts (active printing), 16.7 watts (ready), 1.1 watts (sleep), 0.08 watts (auto-off/manual-on), 0.08 watts (manual off); **Typical electricity consumption (TEC) number:** 1.105 kWh/week Blue Angel); 0.437 kWh/week (Energy Star 3.0)
Acoustics	**Acoustic power emissions:** 5.9 B(A) @ 27 ipm
Operating environment	**Operating temperature range:** 59 to 90.5°F ; **Recommended operating temperature:** 59 to 80.6°F ; **Storage temperature range:** -4 to 104°F ; **Operating humidity range:** 30 to 70% RH ; **Recommended operating humidity range:** 10 to 90% 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, 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), SSL/TLS (HTTPS), Encrypted Credentials; Device: HP Sure Start Secure Boot (BIOS Integrity Checking with self-healing capability), Intrusion Detection (Constant in-device monitoring for attacks), Whitelisting (loads only known good code), Embedded Trusted Platform Module, HP Connection Inspector, Security lock slot, USB port disablement; Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs

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