

HP Color LaserJet Managed MFP E786dn (5QJ90A) All tech specs

Functions	Print, copy, scan, fax (optional)
Print speed black (ISO, letter)	Up to 25 ppm; Up to 30 ppm (with 8EP56AAE); Up to 35 ppm (with 8EP57AAE) ¹
Print speed black (ISO, A4)	Up to 25 ppm; Up to 30 ppm (with 8EP56AAE); Up to 35 ppm (with 8EP57AAE) ¹
Print speed color (ISO)	Up to 25 ppm; Up to 30 ppm (with 8EP56AAE); Up to 35 ppm (with 8EP57AAE) ¹
Print Speed Color (ISO)	Up to 25 ppm; Up to 30 ppm (with 8EP56AAE); Up to 35 ppm (with 8EP57AAE) ¹
First page out black (letter, ready)	As fast as 9.8 sec; As fast as 8.8 sec (with 8EP56AAE); As fast as 8.4 sec (with 8EP57AAE) ² (² 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.)
First page out black (A4, ready)	As fast as 9.8 sec; As fast as 8.8 sec (with 8EP56AAE); As fast as 8.4 sec (with 8EP57AAE) ² (² 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.)
First page out	As fast as 11.7 sec; As fast as 10.3 sec (with 8EP56AAE); As fast as 9.7 sec (with 8EP57AAE) ² (² Measured using ISO/IEC 17629. For

color (letter, ready)	more information see http://www.hp.com/go/printerclaims . Exact speed varies depending on the system configuration, software application, driver, and document complexity.)
First page out color (A4, ready)	As fast as 11.7 sec; As fast as 10.3 sec (with 8EP56AAE); As fast as 9.7 sec (with 8EP57AAE) ² (² 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.)
Duplex printing	Automatic
Duty cycle (monthly, letter)	Up to 110,000 pages; Up to 130,000 pages (with 8EP56AAE); Up to 150,000 pages (with 8EP57AAE)Up to 110,000 pages; Up to 130,000 pages (with 8EP56AAE); Up to 150,000 pages (with 8EP57AAE)
Duty cycle (monthly, A4)	Up to 110,000 pages; Up to 130,000 pages (with 8EP56AAE); Up to 150,000 pages (with 8EP57AAE)
Recommended monthly page volume	Up to 20,000
Print languages	HP PCL 5c, HP PCL 6, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
Print technology	Laser
Connectivity, standard	1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2); 1 Hi-Speed USB 2.0 (host); 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host)

Connectivity,

HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A

optional Mobile printing capability

Apple AirPrint™; Mopria™ Certified; Wi-Fi® Direct Printing; NFC Touch-to-print (optional); PrinterOn Print

Network capabilities

Standard (built-in Gigabit 10/100/1000T Ethernet); Microsoft Universal Print (MUP) support

Wireless capability

Optional, enabled with purchase of a hardware accessory

Minimum System Requirements for

2 GB available hard drive space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see apple.com

Macintosh Minimum System Requirements

2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see microsoft.com

Minimum System Requirements

Embedded OCR; scan to Onedrive; scan to Onedrive for Business; scan to Sharepoint Online; scan to Email; scan to network folder; scan to USB drive; scan to SharePoint; scan to FTP; scan to sFTP; scan to LAN fax; scan to Internet Fax; local address book; SMTP over SSL; automatically detect color/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimize text/picture (text, mixed, printed picture, photograph); content orientation; scan mode (book, 2-sided ID); erase edges; auto page crop; job build; image preview; blank page suppression; automatically straighten

Digital sending standard features

Display	10.1-in (25.65 cm) touchscreen, WXGA Color Graphic Display (CGD)
Processor speed	Quad Core (1.6GHz), Dual Core (1.4GHz); SSD(766R7A): Optional, HP LaserJet 512 GB SED-TAA Solid State Drive
Maximum Memory	6 GB
Memory	6 GB
Internal Storage	Standard, HP LaserJet 500 GB Hard Disk Drive; AES 256 hardware encryption; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk)
Storage Capacity	Standard, embedded 500 GB hard disk drive 500 GB
Compatible Operating Systems	Windows 11; Windows 10; Windows 7; Windows Client OS; Android; iOS; Mobile OS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; Chrome OS
Paper handling input, standard	100-sheet multi-purpose tray, 2 x 520-sheet input tray
Paper handling output, standard	500 sheet face-down output bin
Paper handling input, optional	Optional 1,040 sheet tray, optional 2,000 sheet tray
Paper handling output, optional	Job Separator, Inner Finisher, Stapler stacker, Booklet maker, 2/3 hole punch, 2/4 hole punch, Swedish hole punch

Finished output handling	Stacking; stapling; booklet making; hole punching (with optional output device)
Media types	Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-WtGlossy 96-110g, Heavy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, Card stock 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Color Transparency, Labels, Letterhead, Envelope, Preprinted, Pre punched, Colored
Media sizes supported	Tray 1: A3, A4, A4R, A5, A5R, A6, RA4, B4 (JIS), B5 (JIS), B6 (JIS), Oficio, 8K, 16k, Postcard, Postcard (JIS), Envelope B5, Envelop C5, Envelope C6, Envelope DL; Tray 2: A4, A4R, A5, Ra4, SRA4, B4 (JIS), B5 (JIS), Oficio, 16k; Tray 3: A3, A4, A4R, A5, RA4, SRA4, B4 (JIS), B5 (JIS), Oficio, 8K, 16k
Media sizes, custom	Tray 1: 98 x 148 mm to 297 x 432 mm; Tray 2: 139.7 x 210 mm to 297 x 364 mm; Tray 3: 139.7 x 210 mm to 297 x 432 mm
File Format Supported	MTIFF; PDF; PDF/A; TIFF; XPS; JPEG; Hi-Compression PDF
Scanner type	ADF; Flatbed
Scan file format	Hi-Compression PDF; JPEG; MTIFF; PDF; PDF/A; TIFF; XPS ³ (For Scan software, we support: Windows (JPG, RAW(BMP), PDF, TIFF, PNG, RTF) and Mac (JPG, JPG-2000, TIFF, PNG, PDF, Searchable PDF, RTF, TXT). OCR requires HP FutureSmart 5.8.1.1 or later.)
Enhanced scanning resolution	Up to 600 dpi

Scan resolution, optical	Up to 600 x 600 dpi
Scan resolution, hardware	Up to 600 x 600 dpi
Scan size (ADF), maximum	297 x 420 mm
Scan size (ADF), minimum	68 x 127 mm
Scan size, maximum	297 x 432 mm
Scan speed (normal, A4)	Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color) ⁴
Scan speed duplex (normal, A4)	Up to 180 ipm (b&w), up to 180 ipm (color) ⁴
Scan speed duplex (normal, letter)	Up to 180 ipm (b&w), up to 180 ipm (color) ⁴
Scan speed	Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color) ⁴

(normal,
letter)

Automatic

document feeder capacity

Duplex

ADF

scanning Yes, single pass duplex scanning

Scan

technology D-CIS; Platen Scanner (CCD)

Copy

Speed

Black

(maximum, A4)

Copy speed

(black, normal

quality, A4)

Copy speed

(color, normal

quality, A4)

Copy resolution

(black text)

Standard, 200 sheets

Yes, single pass duplex scanning

D-CIS; Platen Scanner (CCD)

^{5 5} First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see hp.com/go/printerclaims. Exact speed varies depending on the system configuration and document.

Up to 25 cpm; Up to 30 cpm (with 8EP56AAE); Up to 35 cpm (with 8EP57AAE) ⁵

Up to 25 cpm; Up to 30 cpm (with 8EP56AAE); Up to 35 cpm (with 8EP57AAE) ⁵

Up to 600 x 600 dpi

Copy resolution (color text and graphics)	Up to 600 x 600 dpi
Copies, maximum	Up to 9999 copies
Copy reduce / enlarge settings	25 to 400%
Copier settings	Booklet; Collation; Content orientation; Edge Erase; Image adjustment; Job build; N or Z-ordering; N-up; Text/Photo; Two-sided copy; Watermark; reduce/enlarge; Scan mode (book, 2-sided ID); Stamps; Image overlay; Image shift; Image preview; Paper selection; Blank page suppression; Scan to job storage; Automatically straighten; Automatically detect color/monochrome
Faxing	Optional
Fax transmission speed (letter)	3 sec per page
Fax Transmission Speed	33.6 kbps
Fax Resolution Black (best)	Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)
Fax Broadcast	210

t	
Locations	
Fax memory	Up to 500 pages
Fax Speed	
Dials, Maximum Number	Up to 1000 numbers (each with 210 destinations)
Power consumption	580 watts (25ppm, printing), 670 watts (30ppm, printing), 720 watts (35ppm, printing), 32.0 watts (ready), 0.8 watts (sleep), 0.2 watts (auto-off), 0.2 watts (manual-off)
Power	Input voltage: 110 to 127 VAC (+/-10%), 50/60 Hz (+/-3 Hz), 10.0 A 220 to 240 VAC (+/-10%), 50/60 Hz (+/-3 Hz), 5.0 A 100 VAC (+/-10%), 50/60 Hz (+/-3 Hz), (Not dual voltage, power supply varies by part number with # Option code identifier)
Operating humidity range	20 to 80% RH
Recommended operating humidity range	20 to 80% RH
Operating temperature range	15 to 30°C
Operating temperature range	59 to 86°F

Blue Angel compliance	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
Typical electricity consumption (TEC) number	0.339 kWh/Week (25ppm, Blue Angel), 0.416 kWh/Week (30ppm, Blue Angel); 0.484 kWh/Week (35ppm, Blue Angel); 0.348 kWh/Week (25ppm, Energy Star 3.0), 0.431 kWh/Week (30ppm, Energy Star 3.0), 0.500 kWh/Week (35ppm, Energy Star 3.0)
Energy savings feature technology	Power save
Ecolabels	IT ECO Declaration; Blue Angel; EPEAT® registered; ENERGY STAR® certified
Energy star certified	Yes
Safety	IEC 60950-1:2005 +A1:2009 +A2:2013 (International); EN60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013; IEC 62368-1:2018; EN 62368-1:2020+A11:2020 (EU); EN 60825-1:2014 / IEC 60825-1:2014 (Class 1 Laser Product); EN 62479:2010 / IEC 62479:2010; EN 62471:2008 /IEC 62471:2006; Low Voltage Directive 2014/35/EU 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. 2014-10; 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

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 authentication, Supports WJA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP; EAP-TLS), SNMPv3, HTTPS, Certificates; Data: Storage Encryption, Encrypted PDF & Email, 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), HP Memory Shield™, Embedded Trusted Platform Module, HP Connection Inspector, Security lock slot, USB port disablement; Security management: Compatible with HP Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs
Security	HP Access Control; HP Security Manager; HP Advance; HP Secure Print and Insights
Dimensions (W x D x H)	585 x 646 x 908.1 mm
Maximum dimensions (W x D x H)	1681 x 1196 x 1241 mm
Weight	~82.7kg (excluding toner cartridge weight)
What's in the box	In box materials; Guide install; Flyer Regulatory; Power Cords; Keyboard/Overlay for Z model; Label; Drums.
Print Cartridges/Bottle, Number	4 (1 each black, cyan, magenta, yellow)

HP Black Managed LJ Toner Cartridge (ISO Yield 14,500) W9140MC; HP Cyan Managed LJ Toner Cartridge (ISO Yield 12,000) W9141MC; HP Yellow Managed LJ Toner Cartridge (ISO Yield 12,000) W9142MC; HP Magenta Managed LJ Toner Cartridge (ISO Yield 12,000) W9143MC; HP Black Managed LJ Toner Cartridge (ISO Yield 29,000) W9150MC; HP Cyan Managed LJ Toner Cartridge (ISO Yield 24,000) W9151MC; HP Yellow Managed LJ Toner Cartridge (ISO Yield 24,000) W9152MC; HP Magenta Managed LJ Toner Cartridge (ISO Yield 24,000) W9153MC ⁶ (⁶ Approximate average yield based on ISO/IEC 19798. Actual yield varies considerably based on content of printed pages and other factors. For details, see [http://www.hp.com/go/learnaboutesupplies.](http://www.hp.com/go/learnaboutesupplies))

Replace
ment
cartridges

Manufact
urer
Warranty

90 day parts only warranty. Warranty and support options vary by product, country and local legal requirements. Contact your contractual vendor or go to hp.com/support to learn about HP award winning service and support options in your region.