



HP Color LaserJet Managed MFP E77422-E77428 series

Premium color value, maximum uptime, and the strongest security¹ from a streamlined MFP.

HP Managed MFPs and printers are optimized for managed environments. Offering 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.



HP Color LaserJet Managed MFP E77422dn



HP Color LaserJet Managed MFP E77428dn

Big color. Small cost.

- Print premium, professional-quality documents with vivid color images and graphics for a low cost.
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.

Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for maximum productivity.
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office and SharePoint, plus email, USB, and network folders.²

The world's most secure printing¹

- 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.

Product walkaround



HP Color LaserJet Managed MFP E77428dn

Series at a glance



Model (product number)	MFP E77422dn (5FM89A)	MFP E77428dn (5FM90A)
Functions	Print, copy, scan, optional fax (<i>both models</i>)	
Print speed (A4, black and colour) ⁴	Up to 22 pages per minute (ppm)	Up to 28 ppm
Automatic two-sided printing	✓	✓
Scan speed (A4, black and colour) ³	46 ppm/19 images per minute (ipm) (<i>both models</i>)	
Scanning	100-sheet ADF with reverse duplex scanning (<i>both models</i>)	
100-sheet multipurpose tray 1, 520-sheet tray 2, 520-sheet tray 3	✓	✓
2x520-sheet paper tray and stand	Optional	Optional
500-sheet inner finisher	Optional	Optional
Input capacity	1,140/2,180 sheets (standard/maximum ⁵) (<i>both models</i>)	
Control panel	20.3 cm (8.0-inch) colour touchscreen (<i>both models</i>)	
RMPV ⁶	Up to 20,000 pages (<i>both models</i>)	
Managed Cartridge yields ⁷	Black: ~25,000 pages; Colour: ~20,000 pages (<i>both models</i>)	
Wireless networking ⁸ /NFC touch-to-print/BLE ⁹	Optional	Optional

¹ Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.

² An administrator must enable the easy-access USB port before use.

³ Scan speed measured from ADF at default 300 dpi (black-and-white, greyscale, and colour). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

⁴ Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

⁵ Selection of optional paper-handling accessories required to reach maximum input capacity.

⁶ Recommended Monthly Page Volume (RMPV): HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.

⁷ Average black declared yields based on ISO/IEC 19752 and continuous printing. Average colour composite (C/M/Y) declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. HP Managed Cartridges are not included in printer purchase; purchase separately. For details, see hp.com/go/learnaboutsupplies.

⁸ The E77422/28 series models can add wireless networking with selection of the optional HP Jetdirect 2900nw Print Server (J8031A). If selected, you cannot also select the HP Jetdirect 3100w BLE/NFC/Wireless Accessory (3JN69A). Wireless performance is dependent on physical environment and distance from access point and may be limited during active VPN connections.

⁹ Bluetooth® and NFC touch-to-print capabilities are optional and can be added to the E77422/28 series models by selecting the optional HP Jetdirect 3100w BLE/NFC/Wireless Accessory (3JN69A). If selected, you cannot also select the HP Jetdirect 2900nw Print Server (J8031A). Mobile device must support Near-Field Communication (NFC)-enabled printing. For more information, see hp.com/go/businessmobileprinting. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license.

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.

Choose from:

Optimized Care (optimum performance and stability):

4 hour Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

Standard Care (high level of uptime):

Next Business Day Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

Basic Care (minimum recommended support):

Next Business Day Onsite Support

4 hour Onsite Support:

Onsite support within four hours after a service call received within the coverage window

Next Business Day Onsite Support:

Onsite service the next business day after the service call is received

Maintenance Kit Replacement Service:

Onsite replacement of your printer's maintenance kit including parts, materials, and labor

Installation with Network Configuration Service:

Assembly, network configuration, and basic administrator familiarization. For more information about HP Care Pack, HP Contractual, or HP Managed Print Services, visit hp.com/go/printservices



Windows 10



HP Care Pack

Top features

Quality color printing for a great value is a smart choice for any business. Produce premium, professional-quality color documents at a competitive low cost with an HP Color LaserJet MFP built to make your work—and your business—look its best.

Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP LaserJet MFP designed for maximum uptime, so you can count on reliable results day in and day out.

HP printers have the industry's strongest security¹ 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.

Product

5FM89A	HP Color LaserJet Managed MFP E77422dn
5FM90A	HP Color LaserJet Managed MFP E77428dn

Accessories

2EH31A	HP MFP Analog Fax Accessory 700
Y1F97A	HP LaserJet Dual Cassette Workgroup Feeder
Y1G23A	HP LaserJet Second Exit Accessory
Y1G22A	HP LaserJet Paper Tray Heaters Accessory
Y1G17A	HP LaserJet Printer Cabinet
Y1G15A	HP LaserJet Workgroup Job Separator
Y1G13A	HP LaserJet Inner/Booklet Staples
Y1G03A	HP LaserJet Inner Finisher Hole 2/4 Punch
Y1G00A	HP LaserJet Inner Finisher
X3D03A	HP Universal USB Proximity Card Reader
3JN69A	HP Jetdirect 3100w BLE/NFC/Wireless Accessory
J8031A	HP Jetdirect 2900nw Print Server
E5K49A	HP 2 GB x32 144-pin (800 MHz) DDR3 SODIMM
B5L31A	HP Foreign Interface Harness
B5L29A	HP High-Performance Secure Hard Disk
B5L28A	HP Internal USB Ports
5YP34A	HP Laser HDD Accessory
5UT59A	HP MFP Analog Fax Accessory 701(for option #BBU)
4QL32A	HP Legic Secure USB Reader
Y7C05A	HP HIP2 Keystroke Reader

Supplies

W9100MC	HP Black Managed LaserJet Toner Cartridge (25,000 pages)
W9101MC	HP Cyan Managed LaserJet Toner Cartridge (20,000 pages)
W9102MC	HP Yellow Managed LaserJet Toner Cartridge (20,000 pages)
W9103MC	HP Magenta Managed LaserJet Toner Cartridge (20,000 pages)
W9044MC	HP Managed LaserJet Imaging Drum (135,000 pages)
W9048MC	HP Managed LaserJet Waste Container (33,700 pages)

HP Care Packs

UB4R3E	HP 3 year Next Business Day w/DMR Service for Color LaserJet Managed MFP E7742x
UB4R4E	HP 4 year Next Business Day w/DMR Service for Color LaserJet Managed MFP E7742x
UB4R5E	HP 5 year Next Business Day w/DMR Service for Color LaserJet Managed MFP E7742x
UB4R6E	HP 3 year 4 hour 9x5 w/DMR Service for Color LaserJet Managed MFP E7742x
UB4R7E	HP 4 year 4 hour 9x5 w/DMR Service for Color LaserJet Managed MFP E7742x
UB4R8E	HP 5 year 4 hour 9x5 w/DMR Service for Color LaserJet Managed MFP E7742x

Protect your investment with HP Care Pack. Let HP certified engineers resolve your technical issues. For more details on HP Care Pack, go to hp.com/go/cpc

Paper

Contact HP via phone: Asia: 65 6253 8500

Solutions

HP Web Jetadmin: hp.com/go/wja

HP Universal Print Driver: hp.com/go/upd

HP Imaging and Printing Security Center: hp.com/go/ipsc

HP Color LaserJet Managed MFP E77422-E77428 series

Model	HP Color LaserJet Managed MFP E77422dn		HP Color LaserJet Managed MFP E77428dn
Product number	5FM89A		5FM90A
Functions	Print, Copy, Scan (fax and wireless optional)		
Print			
Duplex print options	Automatic (standard)		
Print speed	Black (A4, normal): Up to 22 ppm; Black (letter, normal): Up to 22 ppm; Black (A4, duplex): Up to 17 ipm; Black (letter, duplex): Up to 17 ipm Color (A4, normal): Up to 22 ppm; Color (letter, normal): Up to 22 ppm; Color (A4, duplex): Up to 17 ipm; Color (letter, duplex): Up to 17 ipm		Black (A4, normal): Up to 28 ppm; Black (letter, normal): Up to 28 ppm; Black (A4, duplex): Up to 20 ipm; Black (letter, duplex): Up to 20 ipm Color (A4, normal): Up to 28 ppm; Color (letter, normal): Up to 28 ppm; Color (A4, duplex): Up to 21 ipm; Color (letter, duplex): Up to 20 ipm
First page out	Black (A4, ready): As fast as 9 sec; Colour (A4, ready): As fast as 11.7 sec; Black (A4, sleep): As fast as 23 sec; Colour (A4, sleep): As fast as 23 sec		Black (A4, ready): As fast as 8.5 sec; Colour (A4, ready): As fast as 10.5 sec; Black (A4, sleep): As fast as 23 sec; Colour (A4, sleep): As fast as 23 sec
Print technology	Laser		
Print resolution	Black (best) Up to 1200 x 1200 dpi reduced speed; Black (normal) Up to 600 x 600 dpi Colour (best): Up to 1200 x 1200 dpi reduced speed		
Print resolution technology	Normal (600 x 600 4 bit); Best (1200 x 1200 1 bit)		
Print cartridges number	4 (1 each black, cyan, magenta, yellow)		
Standard print languages	HP PCL 6, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible		
Printer management	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)		
Scan			
Scan technology	Type: Flatbed, ADF; Technology: Platen Scanner (CCD)		
Scan speed	Normal (A4): Up to 46 ipm		
Scan resolution	Enhanced: Up to 600 x 600 dpi; Hardware: UP to 600 x 600 dpi; Optical: UP to 600 x 600 dpi		
Digital sending standard features	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to sFTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Compact PDF; Auto Straighten		
Color scanning	Yes		
Scan Size	Flatbed: 297 x 437 mm; ADF: 297 x 437 mm		
Scan input modes	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXF) applications		
Scan file format	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)		
Copy			
Copier smart software features	Better remote diagnosis and repair; Higher first time fix rates; Full toner; LLC utilization; Capture un-billed pages from reconnected network devices, personal printers; On-site access to service training; A3 LaserJets are designed for fewer LLC replacements and faster repairs.		
First copy out	Black (A4): As fast as 8.0 sec; Color (A4): As fast as 9.7 sec; Black (A4, sleep): As fast as 25 sec; Black (letter): As fast as 8.4 sec; Color (letter): As fast as 9.6 sec; Black (letter, sleep): As fast as 25 sec		Black (A4): As fast as 6.7 sec; Color (A4): As fast as 7.7 sec; Black (A4, sleep): As fast as 25 sec; Black (letter): As fast as 6.7 sec; Color (letter): As fast as 7.9 sec; Black (letter, sleep): As fast as 25 sec
Copy resolution	Color (text and graphics): Up to 600 x 600 dpi		
Max no of copies	Up to 9999 copies		
Copier resize	25 to 400%		
Copier settings	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; ID Scan; job build; job Storage; watermark; stamps; book mode scans; erase edges; automatically detect color/mono; image Preview		
Fax			
Fax speed	33.6 kbps / 3 sec per page		
Fax memory	Fax memory (A4): Up to 500 pages; Fax memory (letter): Up to 500 pages		
Fax resolution	Black (best): Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); Black (standard): 203 x 98 dpi; Black and white (fine): Up to 203 x 196 dpi; Black photo grayscale: 300 x 300 dpi (400 x 400 dpi for received faxes only)		
Fax Features	Auto fax reduction supported: Yes; Auto-redialing: Yes; Fax delayed sending: No; Distinctive ring detection supported: No; Fax forwarding supported: Yes; Junk barrier supported: Yes; Maximum speed dialing numbers: Up to 1000 numbers (each with 210 destinations); PC interface supported: Yes; Fax polling supported: Yes (poll to receive only)		
Connectivity			
Standard connectivity	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket		
Mobile printing capability	Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; PrinterOn Print		
Wireless capability	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the accessories section, above.		
Network capabilities	Standard (built-in Gigabit 10/100/1000T Ethernet)		
Memory	Standard: 4.25 GB (Formatter 1.25 GB + ECB 3 GB); Maximum: 6.25 GB (Std. Memory + Opt. 2 GB)		
Hard disk	Standard two 16 GB encrypted eMMCs (one is located on formatter board for stored jobs and solutions. Another one is located on ECB for copy/scan function); Optional HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk), Optional 500 GB Hard Disk (located on ECB for copy/scan functions). ECB: Engine Controller Board		
Processor speed	1.2 GHz		
Duty cycle (monthly)	Up to 80,000 pages; Recommended monthly page volume: Up to 20,000		
Paper handling			
Input	100-sheet multi-purpose tray, 2 x 520-sheet input tray, 100 sheet ADF		
Output	500 sheet face-down output bin		
Media types	Plain, HP EcoEFFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Extra Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Letterhead, Envelope, Preprinted, Prepunched, Colored		
Media weight	Tray 1: 60 to 176 g/m²; Tray 2, 3: 60 to 220 g/m²		
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		
Dimensions (w x d x h)	566 x 725 x 870 mm		
Weight	82.9 kg		
What's in the box ¹	Engine; TCU; Drums; Assy-Color WG Nameplate and Label; Power Cords; Hardware install and setup documentation; Support flyers		
Software included	No software solutions are included in the Box, only on http://hp.com , http://123.hp.com		
Warranty features	90 day parts only. Extended 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.		
Systems			
Compatible operating systems	Windows Client OS (32/64 bit), Win10, Win8.1, 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 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		
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		
Security management	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP- PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in		
Fonts and typefaces	84 scalable TrueType fonts		
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; tilting (adjustable angle) display; illuminated Home button (for quick return to the Home menu); USB High-speed 2.0 port; Hardware Integration Pocket		
Display	8.0-in (20.3 cm) touchscreen, SVGA Color Graphic Display (CGD)		
Power	Power supply type: Internal (Built-in) power supply; Power supply required: Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%); Power consumption⁸: 760 watts (printing), 34 watts (ready), 0.9 watts (sleep), 0.01 watts (auto-off), 0.01 watts (off); Typical Electricity Consumption number⁸: BA: 1.144 (kWh/Week); ES: 1.159 (kWh/Week)		Power supply type: Internal (Built-in) power supply; Power supply required: Input voltage: 110 to 127Vac (+/- 10%), 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%); Power consumption⁸: 760 watts (printing), 34 watts (ready), 0.9 watts (sleep), 0.01 watts (auto-off), 0.01 watts (off); Typical Electricity Consumption number⁸: BA: 1.573 (kWh/Week); ES: 1.594 (kWh/Week)
Acoustics	Acoustic power emissions⁴: 6.4 B(A), printing color simplex A4 at 22 ppm ; Acoustic power emissions (ready): Inaudible ; Acoustic pressure emissions bystander (active, printing): 48 dB(A), printing color simplex A4 at 22 ppm ; Acoustic pressure emissions bystander (ready): Inaudible		Acoustic power emissions⁴: 6.5 B(A), printing color simplex A4 at 28 ppm ; Acoustic power emissions (ready): Inaudible ; Acoustic pressure emissions bystander (active, printing): 50 dB(A), printing color simplex A4 at 28 ppm ; Acoustic pressure emissions bystander (ready): Inaudible
Environmental ranges	Operating temperature range: 15 to 30°C ; Recommended operating temperature: 15 to 30°C ; Operating humidity range: 20 to 80% RH ; Recommended operating humidity range: 20 to 80% RH		
Safety approvals and requirements	IEC 60950-1:2005 +A1:2009 +A2:2013 (International); EN60950-1:2006 +A1:2009 +A1:2010 +A12:2011 +A2:2013 (EU); EN 60825-1:2014/IEC 60825-1:2014 (Class 1 Laser Product); EN 62479:2010/IEC 62479:2010; EN 62471:2008/IEC62471:2006; 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. 2011-12; 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.		
Supported network protocols	IPv4/IPv6; Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print; Other: NetWare NDS, Bindery, NDPS, ePrint; Google Cloud Print 2.0		

Footnotes

¹ Based on HP review of 2018 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit hp.com/go/PrintersThatProtect. For more information: hp.com/go/printersecurityclaims.

² Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://hpconnected.com>.

³ Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

⁴ HP Web Jetadmin is available for download at no additional charge at hp.com/go/webjetadmin.

Technical specifications disclaimers

¹ No, please purchase USB cable separately (EMEA, Americas, AP) (Service Technician must install units).

² 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/learnaboutsupplies>

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⁴ Acoustic power of active scan/copy will be updated after review scan acoustic data.

⁵ Maximum Memory can be expanded to 6.25 GB (System memory) by adding optional memory module. 2 GB Memory DIMM Kit (E5K49A) can be purchased separately.

⁶ 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>

⁷ EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.

⁸ 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. Power consumption values typically based on measurement of 115 V device.

⁹ 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. Energy Star value typically based on measurement of 115 V device.

¹⁰ Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.

To learn more, visit <http://www.hp.com>

