HP Color LaserJet Enterprise MFP M480f

Small and mighty: HP's smallest Enterprise MFP

HP's entry-level Enterprise-class Color MFP with speeds up to 28 ppm[10] and strongest security.[1]

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

Easy to use, simple to manage

- HP FutureSmart firmware can be updated with the latest features[1] to optimise your investment for years to come.
- Centralise control of your printing environment with HP Web Jetadmin – and help build business efficiency.[2]
- Easily enable workflows across your fleet with a consistent user experience and intuitive, tablet-like icons.
- Set up this MFP fast, and easily manage device settings to help increase efficiency.

The world's most secure printing[3]

- 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.
- Simplify collaboration and productivity with a streamlined MFP that supports how people work today: fast, nimble, and connected. Print premium colour documents businesses need to look professional day in and day out, plus scan and copy with ease.

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.
- Optimise workflows, reduce steps and errors, and support mobile workers with optional MFP apps that meet your specific business needs.
- 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.
- Easily manage projects directly at the MFP with a customisable 10.9 cm (4.3 inch) colour touchscreen.

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 MFP is ENERGY STAR® and Blue Angel certified.
- Remove barriers and help meet compliance and accessibility standards with the HP Accessibility Kit (includes Braille overlay and tactile adhesives, an HP Access Handle, and BigKeys LX Keyboard) and compatibility with HP Accessibility Assistant.[9]

Product walkaround

HP Color LaserJet Enterprise MFP M480f shown

1. 10.9 cm colour touchscreen
2. Easy-access USB port
3. 150 sheet output bin
4. Automatic two-sided printing (default)
5. Front door, access to Original HP Toner cartridges with JetIntelligence
6. 50 sheet multipurpose input tray 1
7. 250 sheet input tray 2
8. 50 sheet automatic document feeder (ADF)
9. Right door, access to print path
10. Convenient front on/off switch
11. Hi-Speed USB 2.0 port for third-party devices
12. Hi-Speed USB 2.0 printing port
13. Gigabit Ethernet network port

Accessories, Supplies and Support

Supplies	**W2030A** HP 415A Black Original LaserJet Toner Cartridge (~2,400 pages)
	W2030X HP 415X High Yield Black Original LaserJet Toner Cartridge (~7,500 pages)
	W2031A HP 415A Cyan Original LaserJet Toner Cartridge (~2,100 pages2,100 pages)
	W2031X HP 415X High Yield Cyan Original LaserJet Toner Cartridge (~6,000 pages6,000 pages)
	W2032A HP 415A Yellow Original LaserJet Toner Cartridge (~2,100 pages2,100 pages)
	W2032X HP 415X High Yield Yellow Original LaserJet Toner Cartridge (~6,000 pages6,000 pages)
	W2033A HP 415A Magenta Original LaserJet Toner Cartridge (~2,100 pages2,100 pages)
	W2033X HP 415X High Yield Magenta Original LaserJet Toner Cartridge (~6,000 pages6,000 pages)
Accessories	**2MU47A** HP Accessibility Assistant
	2TD64A HP Accessibility Kit
	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
Service and Support	**U11F6E** HP 3 year Next Business Day Color LaserJet Enterprise MFP M480 service
	U11F7E HP 4 year Next Business Day Color LaserJet Enterprise MFP M480 service
	U11F8E HP 5 year Next Business Day Color LaserJet Enterprise MFP M480 service
	U11FLE HP 3 year Channel Parts Only Color LaserJet Enterprise MFP M480 service
	U11FME HP 4 year Channel Parts Only Color LaserJet Enterprise MFP M480 service
	U11FNE HP 5 year Channel Parts Only Color LaserJet Enterprise MFP M480 service
	U11FPPE HP 1 year Post Warranty Next Business Day Color LaserJet Enterprise MFP M480 service
	U11FQPE HP 2 year Post Warranty Next Business Day Color LaserJet Enterprise MFP M480 service
	U11VHPE HP 1 year Post Warranty Channel Parts Only Color LaserJet Enterprise MFP M480 service
	U11VJPE HP 2 year Post Warranty Channel Parts Only Color LaserJet Enterprise MFP M480 service

Technical specifications

Model	HP Color LaserJet Enterprise MFP M480f
Product number	3QA55A
Functions	Print, copy, scan, fax
Control panel	10.9 cm Colour Capacitive Touch Control Panel
Print	
Print technology	Laser
Print speed[1]	**Black (A4, normal)**: Up to 27 ppm; **Colour (A4, normal)**: Up to 27 ppm; **Black (A4, duplex)**: Up to 24 ipm; **Colour (A4, duplex)**: Up to 24 ipm;
First page out[2]	**Black (A4, ready)**: As fast as 9.5 sec; **Colour (A4, ready)**: As fast as 11.0 sec; **Black (A4, sleep)**: As fast as 11.0 sec; **Colour (A4, sleep)**: As fast as 12.1 sec;
Print resolution	**Black (best)**: Up to 600 x 600 dpi; **Colour (best)**: Up to 600 x 600 dpi; **Technology**: HP ImageREt 3600, Enhanced (600x600 dpi), Fine Lines (1200x1200 dpi), Quickview (300x300 dpi);
Monthly duty cycle	Up to 55,000 pages A4; **Recommended monthly page volume**: 900 to 4,800 pages
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
Standard print languages	HP PCL 6, HP PCL 5, HP PostScript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
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
Print area	**Print margins** Top: 2 mm, Bottom: 2 mm, Left: 2 mm, Right: 2 mm; Maximum print area : 212 x 352 mm
Duplex printing	Automatic (default)
Copy	
Copy speed	**Black (A4)**: Up to 27 cpm; **Colour (A4)**: Up to 27 cpm
Copier specifications	Two-sided copying; Scalability; Image adjustments (darkness, contrast, background cleanup, sharpness); N-up; N or Z-ordering; Content orientation; Collation; Booklet; Job build; Edge-to-edge; Job storage; ID Copy; Book Copy; A-to-B Copy (different media sizes); **Maximum number of copies**: Up to 9999 copies; **Reduce/Enlarge**: 25 to 400%
Scan	
Scan speed[3]	**Normal (A4)**: Up to 29 ppm/46 ipm (black and white), up to 20 ppm/35 ipm (colour) ; **Duplex (A4)**: Up to 46 ipm (black and white), up to 35 ipm (colour)
Scanner specifications	**Scanner type** Flatbed, ADF; **Scan technology**: Contact Image Sensor (CIS); **Twain version**: Version 2.1; **Duplex ADF scanning**: Yes, single pass duplexing ADF; **Scan size maximum (flatbed, ADF)**: 216 x 297 mm; **Optical scan resolution**: Up to 600 dpi
Scanner advanced features	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect colour; Edge Erase; Job notification; Blank page suppression; HP Quick Sets
Recommended monthly scan volume	900 to 4800
Scannable area	**Maximum media size (flatbed)**: 216 x 297 mm ; **Minimum media size (ADF)**: 127 x 178 mm **Maximum media size (ADF)**: 216 x 356 mm
Bit depth/ Grey scale levels	24-bit / 256
Digital sending	Standard: Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Scan-to-Sharepoint; Send to FTP; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF
Fax	
Fax[4]	Yes, 33.6 kbps
Fax specifications	**Fax memory**: Dependent on the amount of available disk space; **Fax resolution**: Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; 256 levels of gray; Superfine: Up to 203 x 392 or 300 x 300 dpi; 256 levels of gray; **Quick dialing**: Up to 1000 numbers
Fax smart software features	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule
Processor speed	800 MHz
Connectivity	
Standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabyte Ethernet 10/100/1000T network; 1 FAX
Optional	HP Jetdirect LAN Accessory 8FP31A; HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A
Wireless	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[5]	HP ePrint; Apple AirPrint™; Mopria™ Certified; Wi-Fi® Direct Printing; NFC Touch-to-print (optional); Roam capable for easy printing; PrinterOn Print
Supported network protocols	Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD, Web Services Printing, IPP 2.0, Apple AirPrint, HP ePrint; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPS, Syslog; Security: SNMPv3, SSL Cert Management, IPSec(IKEv1 and IKEv2), Firewall, 802.1x
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).
Memory	**Standard**: 2 GB ; **Maximum**: 2 GB
Media handling	
Number of paper trays	**Standard**: 2 ; **Maximum**: 3
Media types	Paper (bond, brochure, coloured, glossy, photo, plain, preprinted, prepunched, recycled, rough); Postcards; Labels; Envelopes
Media size	**Custom (metric)**: Tray 1: 76 x 127 to 216 x 356 mm; Tray 2: 98 x 148 to 216 x 356 mm; Optional Tray: 98 x 148 to 216 x 356 mm **Supported (metric)**: Tray 1: A4, RA4, A5, B5 (JIS), B6 (JIS), 10 x 15 cm, A6, 16K, envelopes (B5, C5 ISO, C6, DL ISO); Custom: 76 x 127 to 216 x 356 mm; Tray 2: A4; RA4; A5; B5 (JIS); B6 (JIS); 10 x 15 cm; A6; 16K; 98 x 148 to 216 x 356 mm; Optional Tray 3: A4; RA4; A5; B5 (JIS); B6 (JIS); 10 x 15 cm; A6; 16K; 98 x 148 to 216 x 356 mm **ADF**: Oficio; Statement; A4; RA4; A5;B5

Model	HP Color LaserJet Enterprise MFP M480f
Product number	3QA55A
Media handling	**Standard input:** 50 sheet multipurpose tray, 250 sheet input tray **Standard output:** 150 sheet output bin **Optional input:** Optional 550 sheet tray **ADF:** Standard, 50 sheets
Media weight	Tray 1: 60 to 176 g/m² (up to 200 g/m² with postcards and HP Color laser glossy photo papers); Tray 2: 60 to 163 g/m² (up to 176 g/m² with postcards, up to 200 g/m² HP Color laser glossy photo papers); Optional Tray 3: 60 to 163 g/m² (up to 176 g/m² with postcards, up to 150 g/m² Glossy media); Automatic duplexer: 60 to 163 g/m²
Input capacity	**Tray 1:** Sheets: 50; envelopes: 5 **Tray 2:** Sheets: 250; envelopes: 10 **Tray 3:** Sheets: 550 **Maximum:** Up to 850 sheets (with optional 550 sheet tray) **ADF:** Standard, 50 sheets
Output capacity	**Standard:** Up to 150 sheets Envelopes: Up to 20 envelopes **Maximum:** Up to 150 sheets
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://www.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 http://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://www.citrixready.citrix.com; Linux: For more information see http://www.developers.hp.com/hp-linux-imaging-and-printing; Unix: For more information see http://www.hp.com/go/unixmodelscripts
Minimum system requirements	**Windows:** 2 GB available hard disk space Internet connection or USB port Internet browser. For additional OS hardware requirements see http://www.microsoft.com **Mac:** 2 GB available hard disk space Internet connection or USB port Internet browser. For additional OS hardware requirements see http://www.apple.com
Software included	No software solutions are included in the Box only on http://www.hp.com or http://www.123.hp.com
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
Printer management	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)
Dimensions and weight	
Printer dimensions (W x D x H)	**Minimum** 415.4 x 472 x 399.8 mm; **Maximum:** 415.4 x 1124.4 x 656 mm (printer fully opened)
Package dimensions (W x D x H)	597 x 497 x 490 mm
Printer weight	23.2 kgs
Package weight	26.34 kg
Operating environment	**Temperature**: 15 to 32.5°C **Humidity**: 10 to 90%
Storage conditions	**Temperature**: -20 to 40°C
Acoustics	**Acoustic power emissions**: 6.1 B(A) (Printing at 27 ipm) **Acoustic pressure emissions**: 49 dB(A) (Printing at 27 ipm)
Power	**Requirements**: Input voltage: 200 to 240 VAC, 50 Hz; **Consumption**: 581 watts (active printing), 21.9 watts (ready), 1.0 watts (sleep), 0.08 watts (auto-off/manual-on), 0.08 watts (manual off); **Typical Electricity Consumption (TEC)**: Blue Angel: 1.051 kWh/week; Energy Star 3.0: 0.425 kWh/week; **Power supply type**: Internal (Built-in) power supply;
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology; Instant-on Copy
Certifications[6]	CISPR 22:2008 (International) Class A, CISPR 32:2012 (International)/ EN 55032:2012, CISPR 35:2016 (International)/ EN 55035:2017, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013. Other EMC approvals as required by individual countries. EPEAT® Silver; CECP; ENERGY STAR® certified **Blue Angel compliant**[7] Yes, Blue Angel DE-UZ 205—only ensured when using Original HP supplies **Telecom compliance**: ES 203 021-1 v2.1.1; ES 203 021-2 v2.1.2; ES 203 021-3 v2.1.2. Other Telecom approvals as required by individual countries.
Sustainable impact specifications	Mercury-free
Country of origin	Made in China
What's in the box[8]	HP Color LaserJet Enterprise MFP M480f printer; HP Black Original LaserJet Toner Cartridge (~2,400 pages) HP Cyan, Magenta, Yellow Original LaserJet Toner Cartridges (~2,100 pages each); Getting started Guide; 1 Power cord
Warranty	One-year, On-site Repair 24-hour / 7 day a week phone support

Footnotes

[1] Some features enabled by future HP FutureSmart firmware upgrades may not be available on older devices, if for example, physical product characteristics limit the functionality of the new feature.
[2] HP Web Jetadmin is free and available for download at http://www.hp.com/go/webjetadmin.
[3] HP's most advanced embedded security features are available on HP Managed and Enterprise devices with HP FutureSmart firmware 4.5 or above. Claim based on HP review of 2019 published features of competitive in-class printers. Only HP offers a combination of security features to automatically detect, stop, and recover from attacks with a self-healing reboot, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. For a list of compatible products, visit http://www.hp.com/go/PrintersThatProtect. For more information, visit http://www.hp.com/go/PrinterSecurityClaims.
[4] Third-party certification based on Common Criteria Information Technology Security Evaluation ISO/IEC 15408 Standard requirements as of May 2019. Certification applicable to HP Managed and Enterprise devices running HP FutureSmart Firmware version 4.5.1 and later. For more information: https://www.commoncriteriaportal.org/files/epfiles/Certification%20Report%20-%20HP%20Intrusion%20Detection.pdf.
[5] Use of the HP Trusted Platform Module may require a firmware upgrade.
[6] Wireless performance is dependent on physical environment and distance from access point and may be limited during active VPN connections.
[7] Dependent upon country setup specifications.
[8] To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit http://www.hp.com/go/roam.
[9] Firmware upgrade required.

Technical specifications disclaimers

[1] Measured using ISO/IEC 24734, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[2] First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, document complexity, media size, media orientation and media type.
[3] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
[4] Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.
[5] To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Customers can purchase the HP Jetdirect 3100w BLE/NFC/Wireless accessory or the RadBeacon USB. Subscription may be required. For more information, visit http://www.hp.com/go/roam.
[6] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.
[7] 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 115V device and 230V for Blue Angel.
[8] For yield information on the cartridge(s) included with your printer, see http://www.hp.com/go/toneryield. Yield values measured in accordance with ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors.