HP Color LaserJet Enterprise MFP M577 Series

Conserve energy and boost productivity with a colour MFP that delivers multi-level device security.[10]

Ideal for enterprises and medium businesses that need a secure, highly productive, energy-efficient colour MFP.

HP Color LaserJet Enterprise MFP M577dn

HP Color LaserJet Enterprise MFP M577f

HP Color LaserJet Enterprise Flow MFP M577z

High-speed performance meets energy efficiency

- Don't wait for documents. Print your first page in as few as 9 seconds from energy-efficient sleep mode.[2]
- Speed through jobs on a variety of media. Print and scan both sides of the page at once.
- This MFP uses exceptionally low amounts of energy—thanks to its innovative design and toner technology.[3]
- Choose a maximum capacity of up to 2,300 sheets.[8] Print up to 59 pages per minute on A5.[9]

Unparalleled fleet security and management

- Embedded features detect security threats and heal your MFP, protecting it from boot up to shutdown.[10]
- Protect sensitive data on the MFP and in transit, using embedded security features and 256-bit encryption.[10]
- Protect sensitive business data with embedded and optional HP JetAdvantage Security Solutions.[11]
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.[12]

More pages, performance, and protection

- Make an impression with best-in-class colour from HP. Get unparalleled print quality for your office.
- Enhanced performance across a wide variety of paper media with Automatic Media Type Sensor.
- Get more pages with each Original HP Toner cartridge with JetIntelligence and high-yield cartridges.[1, 13]
- Help ensure the Original HP quality you paid for with anti-fraud and cartridge authentication technology.
- Print right away with preinstalled toner cartridges. Replace them with cartridges featuring auto seal removal.

Stay connected with secure mobile printing options

- Enable 128-bit encrypted wireless direct printing from mobile devices—without accessing the network.[5]
- Print with just a touch of your NFC-enabled mobile device to this printer—no network needed.[6]
- Easily print from a variety of smartphones and tablets—generally no setup or apps required.[7]
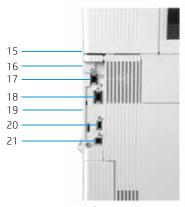- Easily access, print, and share resources with Ethernet and optional wireless networking.[4]

Product walkaround

1 Intuitive 8-inch (20.3 cm) colour touchscreen tilts up for easier viewing

2 Convenience stapler

3 Pull-out keyboard for easy, accurate data entry

4 Convenient front on/off button

5 Right door (access to print path)

6 100-sheet multipurpose tray

7 550-sheet input tray 2

8 100-sheet ADF with single-pass, two-sided scanning and HP EveryPage

9 Hardware Integration Pocket[1] (for connecting accessory and third-party devices)

10 Easy-access USB port to save and print files directly[2]

11 Built-in wireless direct printing[3]/NFC touch-to-print[4]

12 250-sheet output bin

13 Front door (access to HP JetIntelligence Toner cartridges)

14 Built-in automatic two-sided printing

15 1.25 GB standard memory (upgradeable to 2.0 GB) and a 1.2 GHz processor

16 HP High-Performance Secure Hard Disk

17 Fax port

18 HP Jetdirect Gigabit Ethernet print server

19 Slot for optional cable-type security lock

20 Hi-Speed USB 2.0 port (for connecting third-party devices)

21 Hi-Speed USB 2.0 printing port

HP Color LaserJet Enterprise Flow MFP M577z shown

Front view

I/O panel close-up

Series at a glance

Model	MFP M577dn	MFP M577f	Flow MFP M577z
Product number	B5L46A	B5L47A	B5L48A
100-sheet tray 1, 550-sheet tray 2	✓	✓	✓
500-sheet input trays 3, 4 and 5	Optional	Optional	Optional
Printer cabinet	Optional	Optional	Optional
HP High-Performance Secure Hard Disk	✓	✓	✓
100-page ADF with single-pass, two-sided scanning	✓	✓	✓ (Plus HP EveryPage)
Fax capability	Optional	✓	✓
Convenience stapler	Not available	✓	✓
Advanced workflow features including pull-out keyboard	Not available	Not available	✓
Wireless direct printing[3]/NFC touch-to-print[4]	Optional	Optional	✓

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 hr 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

Top Features

This efficient MFP is designed to conserve energy without sacrificing productivity—so users can speed through tasks and move business forward. It also uses exceptionally low amounts of energy—thanks to its innovative design and toner technology.[2]

Trust your MFP is secure from power-up to power-down. Get strong protection for devices, data, and documents with embedded and optional security features while centrally managing your entire fleet.[7]

Bring out the best in your MFP. Print more high-quality pages than ever before,[1] using specially designed Original HP Toner cartridges with JetIntelligence. Count on the authentic HP quality you paid for—something the competition can't match.

Enable secure wireless printing in the office—with or without network access[4]—and keep users connected with Ethernet and optional wireless networking.[3] Print with just a touch from mobile devices.[5]

Product	
B5L46A	HP Color LaserJet Enterprise MFP M577dn
B5L47A	HP Color LaserJet Enterprise MFP M577f
B5L48A	HP Color LaserJet Enterprise Flow MFP M577z

Accessories	
B5L34A	HP Color LaserJet 550-sheet Media Tray
B5L51A	HP Color LaserJet Printer Cabinet
B5L28A	HP Internal USB Ports
E5K48A	HP 1 GB DDR3 x32 144-Pin 800MHz SODIMM
F5S62A	HP Trusted Platform Module Accessory
B5L31A	HP Foreign Interface Harness
B5L53A	HP LaserJet MFP Analog Fax Accessory 600 (only on M577dn)
J8031A	HP Jetdirect 2900nw Print Server
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory (only on M577dn and M577f)
A7W12A	HP LaserJet Keyboard Overlay Kit for Simplified Chinese & Traditional Chinese (only on M577z)
A7W14A	HP LaserJet Swedish Overlay Keyboard (only on M577z)

Orderable supplies	
B5L35A	HP LaserJet 110v Fuser Kit
B5L36A	HP LaserJet 220v Fuser Kit
B5L37A	HP Color LaserJet Toner Collection Unit
B5L52A	HP 200 ADF Roller Replacement Kit
Q7432A	HP Staple Cartridge Pack (only on M577f and M577z)

Supplies[6]	
CF360A	HP 508A Black LaserJet Toner Cartridge (~6,000 ISO yield)
CF360X	HP 508X Black LaserJet Toner Cartridge (~12,500 ISO yield)
CF361A	HP 508A Cyan LaserJet Toner Cartridge (~5,000 ISO yield)
CF361X	HP 508X Cyan LaserJet Toner Cartridge (~9,500 ISO yield)
CF362A	HP 508A Yellow LaserJet Toner Cartridge (~5,000 ISO yield)
CF362X	HP 508X Yellow LaserJet Toner Cartridge (~9,500 ISO yield)
CF363A	HP 508A Magenta LaserJet Toner Cartridge (~5,000 ISO yield)
CF363X	HP 508X Magenta LaserJet Toner Cartridge (~9,500 ISO yield)

HP Care Packs	
U8TH7E	HP 3-year Next Business Day + DMR Color LaserJet M577 MFP Hardware Support
U8TH8E	HP 4-year Next Business Day + DMR Color LaserJet M577 MFP Hardware Support
U8TH9E	HP 5-year Next Business Day + DMR Color LaserJet M577 MFP Hardware Support
U8TJ0E	HP 3-year 4h 9x5 + DMR Color LaserJet M577 MFP Hardware Support
U8TJ1E	HP 4-year 4h 9x5 + DMR Color LaserJet M577 MFP Hardware Support
U8TJ2E	HP 5-year 4h 9x5 + DMR Color LaserJet M577 MFP Hardware Support
U8TJ3E	HP 3-year 4h 13x5 + DMR Color LaserJet M577 MFP Hardware Support
U8TJ4E	HP 4-year 4h 13x5 + DMR Color LaserJet M577 MFP Hardware Support
U8TJ5E	HP 5-year 4h 13x5 + DMR Color LaserJet M577 MFP Hardware Support
U8TK8PE	HP 1-year Post Warranty Next Business Day + DMR Color LaserJet M577 MFP Hardware Support
U8TK9PE	HP 2-year Post Warranty Next Business Day + DMR Color LaserJet M577 MFP Hardware Support
U8TL0PE	HP 1-year Post Warranty 4h 9x5 + DMR Color LaserJet M577 MFP Hardware Support
U8TL1PE	HP 1-year Post Warranty 4h 13x5 + DMR Color LaserJet M577 MFP Hardware Support

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 Enterprise MFP M577 Series

Technical specifications	HP Color LaserJet Enterprise MFP M577dn (B5L46A)	HP Color LaserJet Enterprise MFP M577f (B5L47A)	HP Color LaserJet Enterprise Flow MFP M577z (B5L48A)
Functions	Print, copy, scan	Print, copy, scan, fax	
Print			
Duplex print options	Automatic (standard)		
Print speed[1]	Black (normal, A4): Up to 38 ppm; Black (normal, letter): Up to 40 ppm; Colour (normal, A4): Up to 38 ppm; Colour (normal, letter): Up to 40 ppm; Black (Landscape, A5): Up to 59 ppm; Colour (Landscape, A5): Up to 59 ppm; Black (Duplex A4): Up to 38 ipm; Black Duplex (Letter): Up to 40 ipm; Colour Duplex (A4): Up to 38 ipm; Colour Duplex (Letter): Up to 40 ipm		
First page out[2]	Black (A4, ready): As fast as 5.6 sec; Colour (A4, ready): As fast as 6.9 sec; Black (A4, sleep): As fast as 8.6 sec; Colour (A4, sleep): As fast as 8.8 sec		Black (A4, ready): As fast as 5.9 sec; Colour (A4, ready): As fast as 6.9 sec; Black (A4, sleep): As fast as 9.1 sec; Colour (A4, sleep): As fast as 9.0 sec
Print technology	Laser		
Print resolution	Black (normal): Up to 600 x 600 dpi; Colour (normal): Up to 600 x 600 dpi; Black (best): HP ImageREt 3600 ; Colour (best): HP ImageREt 3600 ; Black (Fine Lines): Up to 1200 x 1200 dpi; Colour (Fine Lines): Up to 1200 x 1200 dpi		
Print resolution technologies	HP ImageREt 3600, Pantone Calibrated		
Print cartridges number	4 (1 each black, cyan, magenta, yellow)		
Standard print languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation, native PDF printing (v 1.7)		
Printer management	Printer Administrator Resource Kit (Driver Configuration Utility, Driver Deployment Utility, Managed Printing Administrator); HP Web JetAdmin Software; HP Proxy Agent Software; HP Imaging and Printing Security Center		
Scan			
Scan type/technology	Type: Flatbed, ADF; Technology: Contact Image Sensor (CIS)		
Scan speed[3]	Normal, A4: Up to 43 ppm/43 ipm (b&w), up to 38 ppm/38 ipm (colour)		Normal, A4: Up to 45 ppm/64 ipm (b&w), up to 45 ppm/58 ipm (colour)
Scan resolution	Enhanced: Up to 600 dpi; Hardware: Up to 600 x 600 dpi; Optical: Up to 600 dpi		
Scan size	Flatbed/ADF: 216 x 356 mm (8.5 x 14 in)		
Scan input modes	Front panel applications: Copy, E-mail, Save to Network Folder, Save to USB, Save to Device Memory, Open Extensibility Platform (OXP) applications	Front panel applications: Copy, E-mail, Fax, Save to Network Folder, Save to USB, Save to Device Memory, Open Extensibility Platform (OXP) applications	Front panel applications: Copy, E-mail, Fax, Save to Network Folder, Save to USB, Save to Device Memory, Save to SharePoint, Open Extensibility Platform (OXP) applications
Scan file format	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A		Digital Send: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
Copy			
Copy speed[4]	Black (normal, A4): Up to 38 cpm; Black (normal, letter): Up to 40 cpm; Colour (normal, A4): Up to 38 cpm; Colour (normal, letter): Up to 40 cpm; Colour Duplex (A4): Up to 38 cpm; Colour Duplex (letter): Up to 40 cpm		Black (normal, A4): Up to 38 cpm; Black Duplex (Letter): Up to 40 cpm;
First copy out	Black (A4): As fast as 5.6 sec; Colour (A4): As fast as 9.1 sec; Black (A4, sleep): As fast as 10.0 sec; Colour (A4, sleep): As fast as 12.8 sec		Black (A4): As fast as 5.7 sec; Colour (A4): As fast as 9.2 sec; Black (A4, sleep): As fast as 10.3 sec; Colour (A4, sleep): As fast as 12.6 sec
Copy resolution	Black (text & graphics): Up to 600 x 600 dpi (flatbed), 600 x 450 dpi (ADF); Colour (text & graphics): Up to 600 x 600 dpi (flatbed), 300 x 600 dpi (ADF)		
Max no of copies	Up to 9,999 copies		
Copier resize	25 to 400%		
Copier settings	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)		
Fax			
Fax speed[5]	Optional	33.6 kbps; 3 sec per page (letter)	
Fax resolution	Optional	Black (best): Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); Black (standard): 204 x 98 dpi; Black & White (fine): 204 x 196 dpi; Black & White (superfine): 300 x 300 dpi; Black Photo Grayscale: 300 x 300 dpi (400 x 400 dpi for received faxes only)	
Fax features	Optional	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)	
Fax smart software features	Optional	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule	
Connectivity			
Standard connectivity	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit/Fast Ethernet 10/100/1000Base-TX network; Hardware Integration Pocket	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit/Fast Ethernet 10/100/1000Base-TX network; Hardware Integration Pocket; Fax	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit/Fast Ethernet 10/100/1000Base-TX network; Hardware Integration Pocket; Fax
Mobile print capability[6]	HP ePrint; Apple AirPrint™; Mopria-certified; Google Cloud Print 2.0		HP ePrint; Apple AirPrint™; Mopria-certified; Google Cloud Print 2.0; Wireless Direct Printing; NFC touch-to-print
Network ready	Standard (built-in Gigabit Ethernet)		Standard built-in Ethernet 802.11 b/g/n. WiFi operates as both an AP (with Wi-Fi Direct) and STA
Network capabilities	Via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard)		
Wireless capability	Optional, enabled with purchase of hardware accessory		Yes, embedded NFC/HP Wireless Direct
Memory	Standard: 1.25 GB (printer), 500 MB (scanner); Maximum: 2 GB (printer), 500 MB (scanner)		
Duty cycle[7]	Up to 80,000 pages; Recommended monthly page volume:[8] 2,000 to 7,500 pages		
Processor speed	1.2 GHz		
Paper handling			
Input	100-sheet multipurpose tray, 550-sheet input tray 2; Optional: 550-sheet media input tray 3, 550-sheet media input tray 4, 550-sheet media input tray 5		
Output	250-sheet output bin		
Media type	Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), colour transparency, labels, letterhead, envelope, preprinted, prepunched, coloured, rough, opaque film, user-defined		
Media weight	Tray 1: 60 to 220 g/m² (plain paper), 105 to 220 g/m² (glossy paper); Tray 2: 60 to 220 g/m² (plain paper), 105 to 220 g/m² (glossy paper); Optional Trays 3+: 60 to 220 g/m² (plain paper), 105 to 220 g/m² (glossy paper)		
Media sizes custom	Tray 1: 76 x 127 to 216 x 356 mm; Tray 2: 102 x 148 to 216 x 297 mm; Optional Trays 3+: 102 x 148 to 216 x 356 mm		
Dimensions (W x D x H)[9]	482 x 504 x 583 mm (18.98 x 19.84 x 22.95 in)		
Weight	38.1 kg (84 lb)	38.3 kg (84.5 lb)	38.6 kg (85 lb)
What's in the box	Printer; Four preinstalled HP LaserJet toner cartridges (yield ~6,000 pages black, ~5,000 pages colour); Toner collection unit; In-box documentation; Software CD; Power Cord	Printer; Four preinstalled HP LaserJet toner cartridges (Black: ~6,000 pages, Colour: ~5,000 pages); Toner collection unit; In-box documentation; Software CD; Power Cord; fax cable	Printer; Four preinstalled HP LaserJet toner cartridges (Black: ~6,000 pages , Colour: ~5,000 pages); Toner collection unit; In-box documentation; Software CD; Power Cord; fax cable
Warranty features	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn more about HP award winning service and support options in your region		
Systems			
Compatible operating systems	Windows OS compatible with In-Box Driver; Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Windows OS compatible with Universal Print Driver (From HP.com); Windows XP SP3 32- & 64-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32- & 64-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from HP.com and Apple Store); OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, OS X 10.10 Yosemite; Mobile OS (In-OS drivers); iOS, Android, Windows 8/8.1/10 RT; Linux (In-OS HPLIP; SUSE Linux (12.2, 12.3, 13.1), Fedora (17, 18, 19, 20), Linux Mint (13, 14, 15, 16, 17), Boss (3.0, 5.0), Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10), Debian (6.0.x, 7.x); Other OS; UNIX		
Minimum system requirements	PC: Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Windows OS compatible with Universal Print Driver (From HP.com); Windows XP SP3 32- & 64-bit editions (XP Home, XP Pro, etc.), Windows Vista all 32- & 64-bit editions (Home Basic, Premium, Professional, etc.), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); CD-ROM or DVD drive, or Internet connection; Dedicated USB or network connection or Wireless connection; 200 MB available hard disk space; OS compatible hardware (For OS hardware requirements see microsoft.com) Mac: Mac OS (HP Print Drivers available from HP.com and Apple Store); OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, OS X 10.10 Yosemite; Internet; USB; 1 GB HD; OS compatible hardware (For OS hardware requirements see apple.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 hp.com/go/laserjetfonts		
Control panel	20.3 cm (8.0-in) colour touchscreen; adjustable angle display; illuminated Home button for quick return to the Home menu		
Power	Power supply type: Internal (Built-in) power supply; Power supply required: Input voltage: 100 to 127 VAC, 60 Hz, Input voltage: 200 to 240 VAC, 50 Hz (Not dual voltage, product varies by part number with # Option code identifier); Power consumption:[10] 592 watts (Printing), 47.3 watts (Ready), 3.48 watts (Sleep), 0.08 watts (Auto-Off/Manual On), 0.49 watts (Auto-Off/Auto-On/Wake on LAN)		
Software included	For Windows OS; HP Software Installer/Uninstaller, HP PCL 6 Printer Driver, HP Device Experience (DXP), HP Send Fax, HP Update, Product Registration Assist, HP Web Services Assist (HP Connected), Online user manuals; For Mac OS; Welcome Screen, (Directs users to HP.com or OS App Source for LaserJet Software)		
Acoustic	Acoustic power emissions[11] 6.5 B(A) (printing at 38 ppm); Acoustic power emissions (ready): 4.7 B(A); Acoustic pressure emissions bystander (active, printing): 51 dB(A) (printing at 38 ppm); Acoustic pressure emissions bystander (ready): 32 dB(A)		
Environmental ranges	Operating temperature range: 15 to 30° C (59 to 81° F); Recommended operating temperature: 17 to 25° C (62 to 77° F); Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH		
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		
Safety approvals and requirements	IEC 60950-1:2005 +A1:2009 +A2:2013 (International); EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013 (EU); EN 60825-1:2007/IEC 60825-1:2007 (Class 1 Laser Product); EN 62479: 2010/IEC 62479: 2010; Low Voltage Directive 2006/95/EC 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		

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