

Product specifications

Functions	Print
First page out (ready) black	As fast as 5.9 sec; As fast as 11.3 sec (100 V)
Resolution (black)	Up to 1200 x 1200 dpi
Resolution technology	300 dpi, 600 dpi, HP FastRes 1200, HP ProRes 1200
Monthly duty cycle	Up to 150,000 pages ^[7]
Recommended monthly page volume	2000 to 7500 ^[8]
Print Technology	Laser
Display	4-line LCD (color graphics)
Processor speed	1.2 GHz
Number of print cartridges	1 (black)
Replacement cartridges	HP 87A Black Original LaserJet Toner Cartridge (~9000 pages) CF287A, HP 87X Black Original LaserJet Toner Cartridge (~18,000 pages) CF287X ^[5]
Print languages	HP PCL 6, HP PCL 5 (HP PCL 5 driver available from the Web only), HP postscript level 3 emulation, native PDF printing (v 1.7)
Automatic paper sensor	No
Paper trays, standard	2
Paper trays, maximum	5
Mobile Printing Capability	HP ePrint; Apple AirPrint™; Mopria™-certified
Connectivity, standard	Hi-Speed USB 2.0 port; built-in Fast Ethernet 10Base-T/100Base-Tx, Gigabit Ethernet 1000Base-T

Connectivity, optional	HP Jetdirect 3000w NFC/Wireless Accessory J8030A, HP Jetdirect 2900nw Print Server J8031A
Network ready	Standard (built-in Gigabit Ethernet)
Ports	1 Hi-Speed USB 2.0 device port; 2 Hi-Speed USB 2.0 host ports ; built-in Fast Ethernet 10Base-T/100Base-Tx, Gigabit ethernet 1000Base-T
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
Minimum system requirements	Mac OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, OS X 10.10 Yosemite; Internet; USB; 1 GB available hard disk; OS compatible hardware (For OS hardware requirements see http://www.apple.com) 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); 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 http://www.microsoft.com)
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 http://www.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 OS (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 ^[11]
Memory, standard	512 MB
Memory, maximum	1.5 GB
Printer management	

Printer Management; Printer Administrator Resource Kit (Driver Configuration Utility, Driver Deployment Utility, Managed Printing Administrator); HP Web JetAdmin Software; HP Proxy Agent Software; HP JetAdvantage Security Manager.

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
Hard disk	Optional, 500 GB minimum encrypted hard disk drive
Paper handling input, standard	100-sheet multipurpose Tray 1, 550-sheet input Tray 2, automatic duplex printing
Paper handling output, standard	250-sheet output bin
Duplex printing	Automatic (standard)
Finished output handling	Sheetfed
Media sizes supported	Tray 1: A4, A5, A6, B5, 16k, 10 x 15 cm, post cards (JIS single and double), envelopes (DL, C5, C6, B5); Tray 2: A4, A5, B5, 16k, double postcard; Optional trays 3+: A4, B5, 16k, double postcard; Optional Automatic Duplexer: A4
Media sizes, custom	Tray 1: 3 x 5 to 8.5 x 14 in; 550-sheet input Tray 2: 4.1 x 5.8 to 8.5 x 14 in; optional 550-sheet input Tray 3+: 4.1 x 5.8 to 8.5 x 14 in
Media types	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined
Supported media weight	Tray 1: 16 to 53 lb; tray 2+: 16 to 32 lb
Media weights by paper path	Tray 1: 60 to 200 g/m ² ; Tray 2+: 60 to 120 g/m ²
Power	Input voltage: 100 to 127 VAC, 60 Hz; Input voltage: 200 to 240 VAC, 50 Hz (Not dual voltage, power supply varies by part number with #option code identifier)
Print speed, black (normal)	Up to 45 ppm
Power consumption	741.98 watts (Active Printing), 13.72 watts (Ready), 2.51 watts (Sleep), 0.08 watts (Auto-Off), 0.08 watts (Off) ^[2]
Energy efficiency	ENERGY STAR® qualified; CECP; EPEAT®Silver

Operating temperature range	59 to 90.5°F
Operating humidity range	30 to 70% RH
Dimensions (W X D X H)	16.46 x 14.80 x 11.73 in
Dimensions Maximum (W X D X H)	16.46 x 25.16 x 11.73 in
Weight	25.9 lb
Package weight	32.1 lb
What's in the box	HP LaserJet M506 Printer; Introductory HP Black LaserJet Toner Cartridge (~6000 pages); CDs containing software and electronic documentation; Warranty Guides; HIGS; Erratas
Cable included	No, please purchase USB cable separately; Yes, 1 USB (Asia Pacific only)
Warranty	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 about HP award winning service and support options in your region.
Post warranty	Please consult web site http://www.hp.com/support
Software included	For Windows OS: HP Software Installer/Uninstaller, HP PCL 6 Printer Driver, HP Device Experience (DXP), HP Update, Product Registration Assist, HP Web Services Assist (HP Connected), Online user manuals; For Mac OS: Welcome Screen (Directs users to http://www.HP.com or OS App Source for LaserJet Software)
FCC	FCC Class A emissions - for use in commercial environments, not residential environments