

HP LaserJet Enterprise M506 Series Printer Specification

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/m²; Tray 2+: 60 to 120 g/m²

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