

HP LaserJet Enterprise M506n (F2A68A)

Overview



Get a faster startup^[1] and help protect against threats with multi-level device security.^[7]

Finish tasks faster with a printer that starts right away and helps conserve energy.^[1] Multi-level device security helps protect from threats.^[7] Original HP Toner cartridges with JetIntelligence and this printer produce more high-quality pages.^[2]

Accelerate your work and use less energy

Don't wait for documents. Print your first page in as few as 8.5 seconds from energy-efficient sleep mode.

Unparalleled fleet security and management

Embedded features detect security threats and heal your printer, protecting it from boot up to shutdown.^[7]

More. Pages, Performance, and Protection.

Produce sharp text, bold blacks, and crisp graphics with precision black toner.

Stay connected with secure mobile printing options

Use optional, 128-bit encrypted wireless direct printing from mobile devices—no network needed.^[11]

Features



Compact size

Fast wake-up and print^[14]



Original HP Toner cartridges with JetIntelligence^[15]



Keep fleet security covered^[16]



Low energy use



Optional print from mobile devices^[17]

[1] Based on HP internal testing of top three leading competitors' first page out from sleep mode and duplex print speed completed 8/2015. Subject to device settings. Actual results may vary. For details, see <http://www.hp.com/go/Ljclaims>

[2] More pages versus predecessor cartridges claim based on page-yield comparison of HP 55X High Yield Black Original LaserJet Toner Cartridges with HP 87X High Yield Black Original LaserJet Toner Cartridges. For more information, see <http://www.hp.com/go/learnaboutsupplies>

[7] Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printsecurity>

[11] Wireless direct printing is standard on the HP LaserJet Enterprise M506x only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP LaserJet Enterprise M506n/dn. Mobile device needs to be connected directly to the WiFi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. For details, see <http://www.hp.com/go/businessmobileprinting>

[14] Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

[15] Based on ISO/IEC 19752 cartridge yields for HP 55X High Yield Black Original LaserJet Toner cartridges compared with HP 87X High Yield Black Original LaserJet Toner cartridges. Learn more at <http://www.hp.com/go/learnaboutsupplies>

[16] Some solutions require download or additional purchase. Learn more at <http://www.hp.com/go/printingsolutions>.

[17] Local printing requires mobile device and printer to be on the same network or have a direct wireless connection to the printer. Wireless performance is dependent on physical environment and distance from access point. Wireless operations are compatible with 2.4 GHz operations only. Remote printing requires an Internet connection to an HP web-connected printer. App or software and HP ePrint account registration may also be required. Wireless broadband use requires separately purchased service contract for mobile devices. Check with service provider for coverage and availability in your area. Learn more at <http://www.hp.com/go/mobileprinting>.

Specifications

Print Resolution Technologies	300 dpi, 600 dpi, HP FastRes 1200, HP ProRes 1200
Print quality black (best)	Up to 1200 x 1200 dpi
Print speed black (ISO, A4)	Up to 43 ppm
Print speed black (ISO, letter)	Up to 45 ppm
Print speed	Print speed up to 45 ppm (black)
Functions	Print
Duplex printing	Manual (driver support provided)
Duty cycle (monthly, A4)	Up to 150,000 pages
Duty cycle (monthly, letter)	Up to 150,000 pages ^[7]
Printer smart software features	FutureSmart Firmware, Open Extensibility Platform, Instant-on Technology, HP Auto-On/Auto-Off technology, Easy Access USB, JetIntelligence cartridges, Mopria-certified, Apple AirPrint™, HP ePrint, Online help
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology
Replacement cartridges	HP 87A Black Original LaserJet Toner Cartridge (~8,550 yield) CF287A, HP 87X Black Original LaserJet Toner Cartridge (~18,000 yield) CF287X ^[5]
Supplies feature	HP JetIntelligence Cartridge
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 capabilities	Yes, via built-in Gigabit Ethernet
Wireless capability	Optional, enabled with purchase of a hardware accessory
Mobile printing capability	HP ePrint; Apple AirPrint™; Mopria™-certified
Network protocols, supported	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
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)

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]
Sustainable impact specifications	Mercury free
Energy star certified	No
Ecolabels	CECP
Display area (imperial)	1.875 x 0.75 in
Display area (metric)	48 x 19 mm
Display	4-line LCD (color graphics)
Minimum dimensions (W x D x H)	418 x 376 x 298 mm
Minimum dimensions (W x D x H)	16.46 x 14.80 x 11.73 in
Weight	11.6 kg
Weight	25.5 lb
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]
Power supply type	Internal (Built-in) power supply
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 ^[20]
Manufacturer 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.

Additional specifications

Accessories	2NR03A HP 1 GB 90-pin DDR3 DIMM; 2NR12A HP Removable Hard Drive Enclosure; B5L28A HP Internal USB Ports; B5L29A HP High-Performance Secure Hard Disk; CC543B HP SmartCard NIPRNet Solution for US Government; F2A72A HP LaserJet 550-sheet Paper Tray; F2A73A HP LaserJet Printer Cabinet; F2A87A HP Internal USB Ports; F5S62A HP Trusted Platform Module Accessory; F8B30A HP SmartCard SIPRNet Solution for US Government; G6W84A HP 1 GB 90-pin DDR3 DIMM; HG277TT HP MICR Printing Solution - USB; J8030A HP Jetdirect 3000w NFC/Wireless Accessory; J8031A HP Jetdirect 2900nw Print Server; 2MU47A HP Accessibility Assistant; X3D03A HP Universal USB Proximity Card Reader
Acoustic power emissions (active, printing)	6.8 B(A)
Acoustic power emissions (ready)	4.0 B(A)
Acoustic pressure emissions bystander (active, printing)	54 dB(A)
Acoustic pressure emissions bystander (ready)	24 dB(A)
Additional information about HP	http://www.hp.com
Additional information about HP in the countries	hp.com
Automatic paper sensor	No
Best technical electricity consumption (TEC)	1.605 kWh/Week ^[4]
Blue Angel (sleep mode)	2.51 W
Bottom margin (A4)	5 mm
Business filter	cMPS
Cable included	No, please purchase USB cable separately
Cartons per layer	6

Compatible Network Operating Systems

Windows OS compatible with In-Box Driver: Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services); Windows OS compatible with Universal Print Driver (UPD) or Product-Specific drivers from HP.com: Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services); Citrix (on Windows Server 2003/2003R2): Citrix MetaFrame Presentation Server, 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3); Citrix (on Windows Server 2008/2008 R2): Citrix XenApp 5.0 (Plus Feature Pack 2 & 3), Citrix XenApp 6.0/6.5/7.5, Citrix XenDesktop 5.6/7.0/7.5, Citrix (on Windows Server 2012/2012R2), Citrix XenApp 7.5, Citrix XenDesktop 7.0/7.5; Novell Servers (<http://www.novell.com/iprint>): Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, NetWare 6.5/SP8; Novell Clients (<http://www.novell.com/iprint>): Windows 8 (32-bit / 64-bit) recommend v5.86+, 8.1 recommend v5.94+, Windows 7 (32-bit / 64-bit) recommend v5.82+, Windows Vista (32-bit / 64-bit) recommend v5.82+, Windows XP / SP3 (32-bit only) recommend v5.82+

Component type

Printer

Control panel

4-line color LCD; 19 buttons (Cancel job, Up and Down arrow, Select, Back, Home, 12-key and Help); 3 LED indicator lights (Attention, Ready, Busy)

Count of layers in pallet

5

Country of origin

Made in Philippines

Datasheet photo 1

Publication photos/HP LaserJet Enterprise M506n.jpg

Datasheet photo 4

Publication photos/M506_Walkaround_NA.jpg

Datasheet publication number

4AA5-9781

Downloadable software

From 123.hp.com: HP Easy Start (Guided Software Install for Windows and Mac); From HP.com for Windows OS: Full-solution software and drivers (Same solution as "Software Included"), HP PLC 6 print driver only (No installer; for "Add Printer" installs), HP PCL 6 print driver with installer, Product Documentation and Support; From HP.com for Mac OS: Full-solution software and drivers; For Mobile OS: See "HP Mobile Printing" (<http://www8.hp.com/us/en/ads/mobility/overview.html>); From In-OS app stores: HP recommended printer drivers and software; From HP.com for printer administrators: Printer Administrator Resource Kit (Driver Configuration Utility, Driver Deployment Utility, Managed Printing Administrator), HP Universal Print Drivers (PCL6, PCL5 & PS for Windows), HP ePrint Software (ePrint Mobile Driver for Windows), Linux/Unix Print Drivers, SAP (PCL 5 and PS Print Drivers), HP Web JetAdmin Software, HP Proxy Agent Software, HP JetAdvantage Security Manager.

Driver updates

Current HP printer drivers and software can be obtained from the HP Customer Care Web site: In the US, go <http://www.hp.com/support/ljM506>; Outside the US, go <http://www.hp.com/support>; 1. Go to <http://www.hp.com/support>. Select the country/region; 2. Select Drivers & Downloads; 3. Enter a product name/number; 4. Under Download Options, select Drivers, Software & Firmware; 5. Select the operating system version; 6. Then select DOWNLOAD.

Electromagnetic compatibility	CISPR 22:2008 (International) - Class A, EN 55022: 2010 (EU) - Class A, EN 61000-3-2: 2006 +A1: 2009 +A2: 2009, EN 61000-3-3: 2008, EN 55024: 2010, EMC Directive 2004/108/EC, FCC CFR 47 Part 15 Class A/ICES-003, Issue 5 Class A. Other EMC approvals as required by individual countries.
Engine life	300000
Envelope Feeder	No
FCC Class A emissions	FCC Class A emissions - for use in commercial environments, not residential environments
Finished output handling	Sheetfed
First page out black (A4, ready)	As fast as 6.0 sec; As fast as 11.5 sec (100 V)
First page out black (A4, sleep)	As fast as 8.1 sec ; As fast as 13.7 sec (100 V)
First page out black (letter, ready)	As fast as 5.9 sec; As fast as 11.3 sec (100 V)
First page out black (letter, sleep)	As fast as 8.0 sec ; As fast as 13.3 sec (100 V)
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
HP ePrint capability	Yes
Input capacity	Up to 650 sheets
Internal Storage	Optional, 500 GB minimum encrypted hard disk drive
Left margin (A4)	5 mm
Mac compatible	Yes
Maximum Memory	1.5 GB
Maximum dimensions (W x D x H)	418 x 639 x 298 mm
Maximum dimensions (W x D x H)	16.46 x 25.16 x 11.73 in
Maximum input capacity (sheets)	Up to 2300 sheets
Maximum output capacity (sheets)	Up to 250 sheets
Media size, tray 1	A4; A5; A6; B5; 16k; 10 x 15 cm; post cards (JIS single and double); envelopes (DL, C5, B5); 76 x 127 to 216 x 356 mm
Media size, tray 2	A4; A5; A6; B5; 16k; post cards (JIS double); 105 x 148 to 216 x 356 mm
Media size, tray 3	A4; A5; A6; B5; 16k; post cards (JIS double); 105 x 148 to 216 x 356 mm

Media sizes supported	Tray 1: Letter, legal, executive, 4 x 6, 5 x 8, 8.5 x 13, envelopes (No. 10, Monarch); Tray 2: letter, legal, executive, 8.5 x 13; Optional trays 3+: letter, legal, executive, 8.5 x 13 in; Optional Automatic Duplexer: letter
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 supported, key	4 x 6 in; Letter; Legal; Envelopes
Media sizes supported, key	10 x 15 cm; A4; Envelopes
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 sizes, custom	Tray 1: 76 x 127 to 216 x 356 mm; 550-sheet input Tray 2: 105 x 148 to 216 x 356 mm; Optional 550-sheet input Tray 3+: 105 x 148 to 216 x 356 mm
Media type and capacity, tray 1	Sheets: 100; envelopes: 10
Media type and capacity, tray 2	Sheets: 550
Media type and capacity, tray 3	Sheets: 550
Media types	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined
Media weight (tray 1)	60 to 200 g/m ²
Media weight (tray 2)	60 to 120 g/m ²
Media weight (tray 3)	60 to 120 g/m ²
Media weight, supported	Tray 1: 16 to 53 lb; tray 2+: 16 to 32 lb
Media weight, supported	Tray 1: 60 to 200 g/m ² ; Tray 2+: 60 to 120 g/m ²
Memory	512 MB
Memory Slots	1 slot, 90-pin, DDR3 SlimDIMM
Memory upgrade	Expandable to 1.5 GB through 90-pin 1 GB SlimDIMM accessory
Minimum System Requirements	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)
Minimum System Requirements for Macintosh	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)
Mobile printing capability footnote	Wireless operations are compatible with 2.4 GHz operations only. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at hp.com/go/mobileprinting . ^[16]
Network ready	Standard (built-in Gigabit Ethernet)
Non-Operating Humidity Range	10 to 90% RH

Number of print cartridges	1 (black)
Number of users	5-15 Users
Operating humidity range	10 to 80% RH
Operating temperature range	15 to 32.5°C
Operating temperature range	59 to 90.5°F
Orderable product number	F2A68A#AB2, F2A68A#ACJ, F2A68A#BBU, F2A68A#BGJ, F2A68A#BGM, F2A68AR#BGJ
Orderable supplies	CF287A HP 87A Black Original LaserJet Toner Cartridge; CF287X HP 87X High Yield Black Original LaserJet Toner Cartridge
Output capacity	Up to 250 sheets
Package dimensions (W x D x H)	497 x 398 x 466 mm
Package dimensions (W x D x H)	19.6 x 15.7 x 18.4 in
Package weight	14.6 kg
Package weight	32.1 lb
Pallet dimensions	47.2 x 39.4 x 97.7 in
Pallet dimensions (W x D x H)	1200 x 1000 x 2481 mm
Pallet weight	814.3 lbs
Pallet weight	369.4 kg
Paper handling input, optional	Up to 3 optional 550-sheet paper feeders
Paper handling input, standard	100-sheet multipurpose Tray 1, 550-sheet input tray 2
Paper handling note number	[10]
Paper handling output, standard	250-sheet output bin
Paper trays, maximum	5
Paper trays, standard	2
Photo (product photo, jpg, 190x170)	Printers and Multifunction/F2A70A_190x170.jpg
Photo (product photo, jpg, 400x400)	Printers and Multifunction/F2A70A_400x400.jpg
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
Post warranty repair & maintenance	Please consult web site http://www.hp.com/support
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 Technology	Laser
Print colors	No
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)

Print quality black (normal)	Up to 600 x 600 dpi
Print resolution black (fine lines)	Up to 1200 x 1200 dpi
Print speed black (Landscape, A5)	Up to 65 ppm
Print speed duplex (A4)	Up to 34 ipm
Print speed duplex (letter)	Up to 36 ipm
Print technology	Laser
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.
Printer black pages (MPV black)	1600
Processor speed	1.2 GHz
Product long name specifications	HP LaserJet Enterprise M506n
Quantity per pallet	30
RMN number	BOISB-1403-00
Recommended media weight (duplex)	60 to 120 g/m ²
Recommended media weight (duplex)	16 to 32 lb
Recommended monthly page volume	2000 to 7500 ^[8]
Recommended operating humidity range	30 to 70% RH
Recommended operating temperature range	17.5 to 25°C
Recommended operating temperature range	63.5 to 77°F
Replacement product number	CE527A
Right margin (A4)	5 mm
Safety	IEC 60950-1:2005 +A1:2009 +A2:2013 (International); EN60950-1:2006 +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.
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
Service & support options	Free telephone support for basic setup, installation, and troubleshooting in North America, Europe, and Asia Pacific during warranty.

Services

Ships a permanent replacement unit overnight via premium airfreight, if hardware issue cannot be resolved remotely. Shipping charges are prepaid by HP.

Services

Customers can retain their hard disk drive and keep control of sensitive data.

Services description headline 01

Next Business Day with Defective Media Retention:

Services description headline 02

Next Business Day Exchange:

Standard input capacity (envelopes)

Up to 10

Standard media sizes (duplex)

A4

Standard media sizes (duplex, imperial)

Letter; Legal; Oficio (8.5 x 13 in)

Standard output capacity (envelopes)

Up to 10 envelopes

Standard output capacity (transparencies)

Up to 75 sheets

Storage

4 GB eMMC

Storage device and direct print support

Storage devices not supported

Storage temperature range

-4 to 140°F

Storage temperature range

-20 to 60°C

Sub-brand name

LaserJet

SureSupply supported

Yes

Target user and print volume

For teams up to 15 users; Prints up to 7,500 pages/month

Tariff numbers

8443321010

Technical support information

<http://www.hp.com/support/ljM506>

Technology logo, print 1

Publication logos/AMS_windows_10.jpg

Technology logo, print 2

Publication logos/AMS_mac_hires.jpg

Technology logo, print 3

Publication logos/AMS_EnergyStar.jpg

Technology logo, print 4

Publication logos/AMS_AirPrint.jpg

Technology logo, print 5

Publication logos/AMS_Mopria.jpg

Technology logo, print 6

Publication logos/AMS_Epeat silver.jpg

Top key features

Front-facing USB printing

Top margin (A4)

5 mm

Typical electricity consumption (TEC) number

1.824 kWh/Week (Blue Angel); 1.886 kWh/Week (Energy Star)^[3]

UNSPSC code

43212105

UPC number

888793425558

Web address for additional information

Solutions: <http://www.hp.com/go/gsc>; Fonts and IPDS Emulation: <http://www.hp.com/go/laserjetfonts>; HP Web Jetadmin: <http://www.hp.com/go/wja>; HP Universal Print Driver: <http://www.hp.com/go/upd>; HP Imaging & Printing Security Center: <http://www.hp.com/go/ipsc>; On Demand Cloud Solutions: <http://www.hpjetadvantage.com/ondemand>

[2] 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.

[3] Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).

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

[5] Declared yield value in accordance with ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>.

[7] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

[8] HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.

[11] Not all "Compatible Operating Systems" are supported with INBOX software; Full solution software available only for Windows 7 and newer; Legacy Windows Operating Systems (XP, Vista, and equivalent servers) get print and Scan drivers only; Windows RT OS for Tablets (32- & 64-bit) uses a simplified HP print driver built into the RT OS; UNIX modelscripts are available on HP.com (Modelscripts are printer drivers for UNIX operating systems); Linux systems use in-OS HPLIP software

[16] Wireless operations are compatible with 2.4 GHz operations only. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at <http://www.hp.com/go/mobileprinting>.

[20] Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies> The HP LaserJet Enterprise M506 series in-box cartridge may have a higher yield than stated for printer units manufactured before 2017.

Accessories

Memory

★ : Recommended

DDR Memory

HP 1 GB 90-pin DDR3 DIMM	G6W84A ★
HP 1 GB 90-pin DDR3 DIMM	2NR03A

Security and Protection

Smart Cards and SmartCard Readers

HP HIP2 Keystroke Reader	Y7C05A ★
HP USB Universal Card Reader	X3D03A ★
HP SmartCard NIPRNet Solution for US Government	CC543B
HP SmartCard SIPRNet Solution for US Government	F8B30A

Security Devices

HP Trusted Platform Module Accessory	F5S62A ★
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PC Drives and Storage

EIO Hard Drives

HP High-Performance Secure Hard Disk	B5L29A ★
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Cables/Cable Kits/Cable Adapters

Port Cables and Cable Adapters

HP Internal USB Ports	B5L28A ★
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Network Print Servers

External Print Servers

HP Jetdirect 3000w NFC/Wireless Accessory	J8030A ★
HP Jetdirect 3100w BLE/NFC/Wireless Accessory	3JN69A ★

Paper Handling

Input Trays

HP LaserJet 550-sheet Paper Tray	F2A72A ★
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Cabinets and Stands

Printer Cabinets and Stands

HP LaserJet Printer Cabinet

F2A73A ★

Accessory Bundles

Data Security Accessories

HP Removable Hard Drive Enclosure

2NR12A ★

Fonts

MICR

HP MICR Printing Solution - USB

HG277TT

Solutions

Imaging and Printing Solutions

★ : Recommended

Printing SW Solution Licenses

HP HID Mobile Access Mifare DES Fire Keystroking Reader	35H11A ★
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HP Document and Workflow Solutions

JetAdvantage Printing Security

Celiveo Enterprise	HP3PCELIVEO
HP Access Control Secure Printing and Job Accounting Solution	HPACOLUTION
HP Proximity Card Reader	HPPROXIMTYRDR
HP Secure Print and Insights	HPJETADSECUREPRINT
HP Security Manager	HPJETADSECMGR
Kofax SafeCom Security and Job Accounting Solution	HPNSAFECOMSOL
Pharos Blueprint	HP3PHAROSBPRNT
TROY MICR Printer	HP TROYMICRPRINT
TROY MICR Secure Toner	HP TROYTONER

JetAdvantage Print Management

HP Universal Print Driver	HPUNIVPRNTDRV
HP Web Jetadmin	HPWEBJETADMIN
Kofax ControlSuite	HP_CSUITE
LRS VPSX for Output Management	HP3PLRS

JetAdvantage Mobile Printing

ePRINTit	HP3PEPRINTIT
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Services

HP Care Pack Services

★ : Recommended

Imaging and Printing Hardware Support Onsite Svc

HP 1 year Post Warranty Next Business Day w/Defective Media Retention Service for LaserJet M506	U8PL9PE
HP 1 year Renewal Print At Your Service NBD w/Defective Media Retention Service for LaserJet M506	U9PV0PE

Imaging and Printing Commercial Care Pack Services

HP 1 year Post Warranty Parts Exchange Service for LaserJet M506	U8PM2PE
HP 1 year Print At Your Service Supplies Renewal up to 3500 pages per month LaserJet Service	UC6T9PE
HP 1 year Print At Your Service Supplies Renewal up to 7500 pages per month LaserJet Service	UC6U2PE
HP 1y Renewal Subscription Supply Svc for LaserJet (up to 1000 pages per month)	U9PW2PE
HP 1y Renewal Subscription Supply Svc for LaserJet (up to 2000 pages per month)	U9PW5PE
HP 1y Renewal Subscription Supply Svc for LaserJet (up to 5000 pages per month)	U9PW8PE

Ink/Toner/Paper/Printer Supplies

HP Laser Toner Cartridges and Kits

★ : Recommended

HP Black and White Laser Toner Printer Cartridges

HP 87A Black Original LaserJet Toner Cartridge	CF287A
HP 87X 2-pack High Yield Black Original LaserJet Toner Cartridges	CF287XD
HP 87X High Yield Black Original LaserJet Toner Cartridge	CF287X

HP Paper for Multiple Uses

HP Multi-use Everyday Paper

HP All-in-One Printing Paper-250 sht/A4/210 x 297 mm	CHP712
HP All-in-One Printing Paper-500 sht/A4/210 x 297 mm	CHP710
HP Copy Paper 80 gsm-500 sht/A4/210 x 297 mm	CHP910
HP Hi White Everyday Paper-5 reams/A4/210 x 297 mm	Q2400A
HP Hi White Everyday Paper-5 reams/Letter/8.5 x 11 in	Q2398A
HP Home and Office Paper-500 sht/A4/210 x 297 mm	CHP150
HP Office Paper-10 reams/3-hole punched/Letter/8.5 x 11 in	HPC3HP
HP Office Paper-10 reams/Letter/8.5 x 11 in	HPC8511
HP Office Paper-2500 sht/A4/210 x 297 mm	CHP113
HP Office Paper-500 sht/A4/210 x 297 mm	CHP110
HP Office Quickpack-2500 sht/Letter/8.5 x 11 in	HP2500S
HP Premium Choice Paper-500 sht/A4/210 X 297 mm	CHP812
HP Printing Paper 90 gsm-500 sht/A4/210 x 297 mm	CHP235
HP Printing Paper-2500 sht/A4/210 x 297 mm	CHP215
HP Printing Paper-500 sht/A4/210 x 297 mm	CHP210

HP Multipurpose Paper

HP Multipurpose Paper-10 reams/3-hole punched/Letter/8.5 x 11 in	HPM113H
HP Multipurpose Paper-5 reams/Letter/8.5 x 11 in	HPM115R
HP Multipurpose Paper-5 reams/Letter/8.5 x 11 in	HPM115RC
HP Multipurpose Paper-500 sht/A4/210 x 297 mm	CHP225
HP Multipurpose Paper-500 sht/Letter/8.5 x 11 in	HPM1120

HP Recycled Paper

HP Recycled Paper 80 gsm-500 sht/A4/210 x 297 mm	CHP830
HP Recycled Paper-10 reams/Letter/8.5 x 11 in	HPE1120

HP Business Papers

HP Business Papers for laser

HP Enhanced Business Paper, Glossy, 150 g/m2, A4 (210 x 297 mm), 150 sheets	CG965A
HP Enhanced Business Paper, Glossy, 40 lb, 8.5 x 11 in. (216 x 279 mm), 150 sheets	Q6611A
HP Enhanced Business Paper, Matte, 40 lb, 8.5 x 11 in. (216 x 279 mm), 150 sheets	Q6543A
HP Enhanced Tri-Fold Business Paper, Glossy, 40 lb, 8.5 x 11 in. (216 x 279 mm), 150 sheets	Q6612A
HP Everyday Business Paper, Glossy, 32 lb, 11 x 17 in. (279 x 432 mm), 150 sheets	4WN07A
HP Everyday Business Paper, Glossy, 32 lb, 8.5 x 11 in. (216 x 279 mm), 150 sheets	4WN08A
HP Professional Business Paper, Glossy, 52 lb, 8.5 x 11 in. (216 x 279 mm), 150 sheets	4WN10A
HP Professional Business Paper, Matte, 52 lb, 8.5 x 11 in. (216 x 279 mm), 150 sheets	4WN05A

HP Home & Office Papers

HP Home & Office Papers for laser and inkjet

HP MultiPurpose20TM, 20 lb, 8.5 x 11 in. (216 x 279 mm), 500 sheets	HPM1120R
HP MultiPurpose20TM, 20 lb, 8.5 x 14 in. (216 x 356 mm), 500 sheets	HPM1420
HP MultiPurpose20TM, 20 lb, 8.5 x 14 in. (216 x 356 mm), 500 sheets	HPM1420P
HP Premium24(R), 24 lb, 8.5 x 11 in. (216 x 279 mm), 500 sheets	HPJ1124P

HP Paper Designed for Laser Printers

HP Laser Everyday Paper

HP Premium Choice LaserJet Paper-500 sht/Letter/8.5 x 11 in	HPU1132P
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