



large business workgroup



hp LaserJet 9000mfp



## high-volume multi-function printer



### **hp LaserJet 9000mfp** **created for demanding large business workgroup**

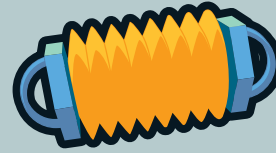
Introducing the HP LaserJet 9000mfp, a high performance multi-functional printer that delivers outstanding laser printing quality and speed, walk-up copying, document finishing and digital sending all in a single device. Designed to meet the needs of large workgroups, it is a highly robust and technologically-advanced document management solution.

The HP LaserJet 9000mfp is ideal for:

- corporations with large workgroups

A reliable high-volume multi-functional printer, the HP LaserJet 9000mfp enables efficient document management for large workgroups that need fast and professional black and white laser printing, digital copying, document finishing and digital sending capabilities that is productive, networkable and highly manageable.

## comprehensive work utility



### multi-functional performance

#### digital send

- the digital sending feature converts paper documents to PDF, JPEG and TIFF email attachments and send them via email, hence allowing instant transmission and receiving of business information and complete convenience for users
- an alternative to analog fax, optional digital sending services enable additional functionality such as user authentication and sending to LAN and Internet fax servers, network folders and workflow
- digital sending ensures privacy, successful transmission of documents and retains the originality of document (colour or black and white). Users are also given the options to modify, search and save documents on their computers
- optional HP mfp digital sending software v3.0 is available from June 2002 onwards. Please check with your local Hewlett-Packard sales office or your nearest HP authorised dealer for availability

#### robust print speed and professional laser quality

- HP LaserJet 9000mfp generates documents at an impressive speed of 50 ppm (A4 size)
- HP LaserJet 9000mfp produces edge-to-edge printing with HP FastRes 1200 dpi resolution at engine speed. It delivers a resolution of 600 x 600 dpi with Resolution Enhancement technology (REt) and halftoning of up to 256 grays
- the 300 MHz processor, 128 MB RAM and 5.1 GB hard disk, RIP Once and Transmit Once technology ensure smooth processing of print jobs
- HP Jetdirect 615n EIO internal print server ensures efficient processing speed—it manages up to 4 MB of data per second
- the multi-function printer has a duty cycle of 300,000 pages-per-month, which ensures reliability and uninterrupted workflow
- scanning and printing functions work independently of each other. That is, if one function fails, the other will continue to operate, hence ensuring uninterrupted workflow and meeting users' printing needs

#### superior scan and copy quality

- the flatbed scanner with Charged Coupled Device (CCD) technology allows single pass duplex scanning, hence saving time and ensuring high quality output

HP LaserJet 9000mfp has the capacity to scan documents in full colour with a resolution of 600 x 600 ppi x RGB data (mono and colour)

Scan speed mono is 50 ppm/50 ipm letter (landscape, simplex) and 25 ppm/50 ipm letter (landscape, duplex) while duplex paper speed is 50 ppm with control of page-to-page interval

Scan speed colour is 24 ppm/24 ipm (landscape, simplex) and 12 ppm/24 ipm letter (landscape, duplex) while duplex paper speed is 24 ppm with control of page-to-page interval

- walk-up copying is effortless and produces excellent print results
- upgradeable options include 2, 4, 8, or 16 MB flash memory DIMMS



## versatile media handling and finishing options

### finishing options

- the optional multi-function finisher transforms digital documents into ready-to-use booklets or stapled, sorted reports in one simple step. It also creates and manages frequently updated materials such as manuals and brochures efficiently.

Hence, all print jobs can now be accessed quickly and easily with job separation on the stacker and stacker/stapler output devices. This in turn promotes work efficiency, saves time and costs associated with inventory management, expenses of obsolete materials and outsourcing

### media handling

- the paper trays hold a variety of different types of media all at one time. The four input sources are capable of holding up to 3,100 sheets at one go

The standard 100-sheet multipurpose input tray (labelled as Tray 1) holds media sizes such as A4, legal and executive. It handles media weights ranging from 16 to 58 lb (60 to 199 g/m<sup>2</sup>)

Trays 2 and 3 (500 sheets input tray each) manage media sizes such as A3, A4, B/ledger, maximum 11.7 x 17.7", B4, letter, legal, executive, B5, monarch and custom sizes. Both trays handle media weights ranging from 16 to 53 lb (60 to 199 g/m<sup>2</sup>)

Standard 2,000-sheet tray may also be included to facilitates high-capacity printing

- the duplex unit (double-sided printing capability) reduces paper costs and increases efficiency at workplace

It handles media types such as letter, legal A4, B4, 11 x 17", A3, B5, executive, overhead transparencies, labels, envelopes and supports media weights ranging from 16 to 28 lb (60 to 105 g/m<sup>2</sup>)

- HP LaserJet 9000mfp comes standard with a 100-sheet face up tray. Other options include a 3,000-sheet stacker/stapler and multi-function finisher
- the CCD flatbed scanner (integrated into top cover) handles media types such as executive, A5 to ledger and A3 plus books, magazines and objects etc and media sizes such as ledger, legal, letter, A3, B4 and A4 in straight through media path

## manageability

### internet-enabled management

- HP embedded Web server provides direct access to the mfp device on the network, allowing users to have complete control over device settings and email alerts and monitoring of status and problem diagnosis
- HP Web Jetadmin permits remote installation, configuration, diagnostics and proactive management of multiple devices
- extensive HP Web access program enables future solutions to be sent to the printer, hence ensuring work efficiency and quick problem solving
- device problems are resolved via the self-help information online and flashable firmware allows upgrades directly over the Web
- supplies status can be monitored regularly through a standard Web browser to ensure continuous uptime

### user-friendly interface

- the touch-screen control panel, with its simple, graphical icons makes processing of multiple tasks easy and simple, hence ensuring smooth workflow and saves support time for users

The PIN feature holds print jobs until the personal identification number is keyed in, thus ensuring confidentiality of users' documents

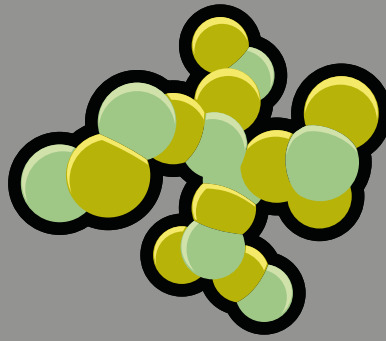
The store feature enables print jobs to be saved on the hard disk to be ready for printing anytime

The proof-and-hold feature allows users to review the first copy before generating duplicate copies

The quick copy feature allows users to make additional copies of the last print job via the device control panel, which saves time and increases work efficiency

The expanded control features assists with troubleshooting, hence saving time and reducing the number of help desk calls





### **smart/intelligent**

- the all-in-one smart print cartridges are easy to load with an automatic seal tab removal and shake-free design and work hand-in-hand with the printer and software to deliver excellent quality output  
Each HP smart print cartridge consists of a smart chip that provides usage information, measures and reports toner levels, hence making the printer manageable to users
- users will be notified via email when toner runs low. In addition, they can order additional supplies online
- the HP Fast Infrared (FIR) receiver enables cable-free printing for users from laptops and other IR-capable devices, which provides complete convenience to users

### **connectivity/networkability**

- HP Jetdirect 615n connects the HP LaserJet 9000mfp to your network via a 10/100Base-Tx network card with a data transmission speed of 4 MB per second on most operating systems
- compatibility with various operating systems and network operating systems ensures ease of use and complete convenience for users

HP LaserJet 9000mfp is compatible with Microsoft Windows 95, 98, NT 4.0, Me, 2000, IBM OS/2 version 3.0 or greater (Web), Mac® OS 7.5 or greater, Linux® (Web) and AutoCAD™. Networks supported include Novell Netware 3.x, 4.x, 5.x, Microsoft Windows 95, 98, NT 4.0, Me, 2000, Mac OS (EtherTalk), Linux (Web) and Unix® (Web).

Standard network operating systems support include Novell® Netware® v3.11, 3.12, 4.X, 5.X (IPX/SPX) Novell NDS® and NDPS (IPX/SPX) Novell IntranetWare®, Microsoft Windows® 95 Networking (IPX/SPX), (TCP/IP) Microsoft Windows NT® 3.5, 4.0, 2000 (TCP/IP), (DLC/LLC), (IPX/SPX), Microsoft LAN Manager® V2.0C, 2.1, 2.2 (DCL/LLC) IBM® OS/2 Warp® v2.0, 3.0, 4.0 (DLC/LLC) (TCP/IP) HP-UX v9.x, 10.x; Solaris® v2.3, 2.4, 2.5x; SCO UNIX V/386 v3.2, 4.2, 5.0; IBM AIX v3.2.5 and later; MPEiX v5.5 (TCP/IP) Line Printer Daemon (lpd) Apple® EtherTalk System 7.55 and later

- HP LaserJet 9000mfp provides automatic language switching and will receive Jetsend communications  
Languages supported include HP PCL 5e and PCL 6 Adobe Postscript 3 emulation

## hp LaserJet 9000mfp high-volume multi-function printer



### hp LaserJet 9000mfp features:

- 50 ppm printing and scanning
- single pass duplex scanning
- flatbed scanner with Charged Coupled Device (CCD) technology
- send to e-mail
- embedded Web server
- 2,000-sheet high capacity input tray
- 100-sheet mp tray (multi-purpose)
- auto-duplex unit
- two 500-sheet input trays

- automatic document feeder
- 5.1 gigabyte hard drive
- hp jetdirect 615n print server

### optional accessories:

- hp 3,000-sheet stacker
- hp 3,000-sheet stapler/stacker
- hp multi-function finisher
- hp mfp digital sending software v3.0\*

\* Available in some Asia Pacific countries. Kindly check with your local Hewlett-Packard sales office or your nearest HP authorised dealer for availability.



## technical specifications

### hp LaserJet 9000mfp

- 50 ppm
- Duty cycle of 300,000 pages-per-month
- 300 MHz microprocessor (PMC-Sierra Inc.)
- HP LaserJet smart print cartridge (30,000 pages at an average of 5% coverage)
- HP PCL 6, HP PCL 5e, and Adobe® Postscript® 3™ emulation Memory Enhancement technology (MEt)
- 128 MB RAM memory expandable to 384 MB RAM on 100 pin DIMMS with (MEt) mopying and RIP Once in RAM ability standard 5 GB disk drive for storage of forms, fonts and signatures optional 2, 4, 8, 16 MB flash memory DIMMS
- RIP Once and Transmit Once technology
- Full speed duplexing
- Edge-to-edge printing
- HP Fast Infrared (FIR) receiver

#### resolution

- 600 x 600 dpi with Resolution Enhancement technology (REt)
- HP FastRes 1200 (1200 dpi quality) at engine speed (PCL 6 and PostScript emulation) Device-best halftoning with u to 256 levels of gray

#### paper handling

- 4 input sources with a total capacity of 3,100 sheets
  - tray #1: 100-sheet multipurpose tray
  - tray #2 and #3: 500-sheet input tray
  - tray #4: 2,000-sheet input tray
- Several output options: 100-sheet face up standard output capacity; 3,000-sheet staker and 3,000-sheet stapler-stacker, multi-function finisher
- Duplex printing assembly

#### media capability

- Copier, bond, special application, recycled paper, transparencies:
  - Tray 1 media sizes: letter, legal, executive, tabloid, A4, A3, A5, B4, B5, envelopes 3.9 x 7.5" (99 x 191 mm) minimum; 11 x 17" (279 x 432 mm) or 11.7 x 17" (297 x 432 mm) maximum 16 to 58 lb (60 to 199 g/m<sup>2</sup>)
  - Tray 2, 3 media sizes: A3, A4, B/ledger, maximum 11.7 x 17.7", B4, letter, legal, executive, B5, monarch, A5 and custom sizes also supported 16 to 53 lb (60 to 199 g/m<sup>2</sup>)
- Duplexer—letter, legal A4, B4, 11 x 17", A3, B5, executive; 16 to 28 lb (60 to 105 g/m<sup>2</sup>) overhead transparencies and labels designed for monochrome laser printers using tray 1
- Envelope types: #10 regular, monarch, DL, C5, and B5—16 to 28 lb (60 to 105 g/m<sup>2</sup>) custom sizes also supported

#### print orientation

- Portrait, landscape, reverse portrait, reverse landscape, and 3-hole paper capability, letter and A4 size media can be printed in landscape at 50 images-per-minute (single-sided or two-sided printing)
- Letter and A4 may be printed in portrait orientation at reduced throughput to support image size reduction and booklet making

#### font capabilities

- 80 scalable TrueType™ fonts built-in, with 65 additional scaleable typefaces for Windows additional 136 PostScript fonts available as DIMM accessory
- Intelifont rasteriser built into PCL 5. Greek, Hebrew, Cyrillic and Arabic fonts
- Available for Europe
- Korean, traditional and simplified Chinese fonts available for Asia

#### connectivity

- HP LaserJet 9000mfp:
  - Automatic switching between languages and ports.
  - Standard network operating systems supported Novell® NetWare® v3.11, 3.12, 4.X, 5.X (IPX/SPX) Novell NDS® and NDPS (IPX/SPX) Novell IntranetWare®, Microsoft Windows® 95 Networking (IPX/SPX), (TCP/IP) Microsoft Windows NT® 3.51, 4.0, 2000 (TCP/IP), (DLC/LLC), (IPX/SPX), Microsoft LAN Manager® V2.0C, 2.1, 2.2 (DCL/LLC) IBM® OS/2 Warp® v2.0, 3.0, 4.0 (DLC/LLC) (TCP/IP) HP-UX v9.x, 10.x; Solaris® v2.3, 2.4, 2.5x; SCO UNIX V/386 v3.2, 4.2, 5.0; IBM AIX v3.2.5 and later; MPEiX v5.5 (TCP/IP) Line Printer Daemon (1pd) Apple® EtherTalk System 7.55 and later

#### environmental ranges (varies according to region)

- Operating temperature: 50 to 91° F (10 to 32.5° C)
- Storage temperature: 32 to 95° F (0 to 35° C)
- Operating humidity: 20 to 80% RH
- Storage humidity: 15 to 90% RH

#### acoustics (varies according to region)

- Operating position: L pAm = 57 dB (A) printing,  
L pAm = 40 dB (A) Idle
- Bystander position: L pAm = 60 dB (A) printing,  
L pAm = 40 dB (A) Idle
- Sound power: L wAd = 7.4 Bels (A) printing,  
L wAd = 5.7 Bels (A) Idle

#### power requirements (varies according to region)

- Source/frequency: 100 to 127 volts/50 to 60 Hz (±Hz) 220 to 240 volts/50 Hz (±Hz)
- Voltage depends up on the country in which the device is purchased

#### power consumption (varies according to region)

- Printing: 1075 to 1140 watts (average)
- Standby (ready state): 415 to 440 watts
- Powersave mode: 70 watts (ENERGY STAR® and BLUE ANGEL compliant)

#### dimensions (w x d x h)

- 29.8 x 32 x 48" (757 x 813 x 122 mm)

#### operating space requirements (w x d x h)

- 76 x 4.5 x 64" (1930 x 114 x 1626 mm)

#### weight (without print cartridge)

- 305 lb (138 kg)

#### product certification (varies according to region)

- Compliant with: USA UL listed to UL 1950: 3rd edition CDRH approved to 21CFR Ch.1, Subch.J; Canada CUL certified to CSA 22.2 No. 950: 1995 Electromagnetic Compatibility compliant with: USA, FCC rules; Canada, EMC Class A requirements

#### system requirements

- Compatible with Microsoft Windows 95, 98, NT 4.0, Me, 2000, IBM OS/2 version 3.0 or greater (Web), Mac® OS 7.5 or greater, Linux® (Web), AutoCAD™

#### networks supported

- Novell NetWare 3.x, 4.x, 5.x, Microsoft Windows 95, 98, NT 4.0, Me, 2000, Mac OS (Ethertalk), Linux (Web), UNIX® (Web)

#### internet

- HP Web Jetadmin for easy intranet administration
- Easy downloading and updating of software
- Internet page set-up utility for addresses that you request
- Schedule printing of selected pages at user defined intervals

#### management

- HP Web Jetadmin provides the industry's most complete, vendor device management using the Standard Printer MIB, which is defined by RFC 1759. HP Web Jetadmin supports both the TCP/IP and IPX/SPX protocols. You can install HP Web JetAdmin on Microsoft Windows NT 4.0; Windows 2000; HP-UX version 10.20, 11.0, and 6.1; and SuSe Linux 6.2. HP Web Jetadmin supports Netscape 4.5 and greater and Microsoft Internet Explorer® 4.0 and greater
- HP Web Jetadmin performs the following management tasks: install printers, configure device options, configure and install multiple printers at once, troubleshoot device problems, schedule discoveries to update the device cache during off-peak hours, search for a specific device or group of printers based on a wide variety of criteria, check a device's current status, check the status of a device's consumables, verify the type of media loaded in a device's trays, verify a device's capabilities, organise printers by logical groups, and create a virtual office layout with dynamic site maps

#### job management

- HP Web JetAdmin provides complete, multi-vendor device management using the standard printer MIB (RFC-1759)

#### interface and cable

- Network models assume HP Network connect p/n C2946A 3 m cable—HP Vectra, IBM PC/AT and compatibles standard

#### languages

- HP PCL 5e and PCL 6 Adobe PostScript 3 emulation
- Each device provides automatic language switching and will receive Jetsend communications

#### scanner

- Platen: CCD flatbed scanner integrated into top cover to ledger/A3
- Media size: executive/A5 to ledger/A3 plus books, magazines, objects, etc.
- Media size sensing: ledger/legal/letter/other OR A3/B4/A4/other (selected through formatter)
- Book mode, mono: simplex TBD letter (landscape)

#### automatic document feeder

- Capacity: 100 sheets letter/A4 (75 g/m<sup>2</sup>) with size detection
- Media size: executive/A5 to ledger/A3
- Media type: plain paper
- Media weight: 13 to 53 lb (50 to 199 g/m<sup>2</sup>)
- Media size sensing: ledger/legal/letter/other or A3/B4/A4/other (selected through formatter)
- Scan speed mono:
  - simplex: 50 ppm/50 ipm letter (landscape)
  - duplex: 25 ppm/50 ipm letter (landscape)
  - duplex paper speed 50 ppm with control of page-to-page interval
- Scan speed colour:
  - simplex: 24 ppm/24 ipm letter (landscape)
  - duplex: 12 ppm/24 ipm letter (landscape)
  - duplex paper speed 24 ppm with control of page-to-page interval
- Straight paper path with dual-head single pass scanner; face down input for single side scan
- LED indicates paper registration
- Resolution: 600 x 600 ppi x RGB data (mono & colour)

#### warranty

- 1 year standard warranty
- Warranty may vary according to countries. Please check with your local Hewlett-Packard sales office or your nearest HP authorised dealer for details

#### further information

For more information on the HP LaserJet 9000mfp, visit our Web site at <http://www.hp.com> or [www.hp.com/go/lj9000](http://www.hp.com/go/lj9000) and click on products and services. Here you will find information on products, supplies, and accessories for all your computing needs. HP peripherals, personal computers, supplies, and accessories are available at authorised HP resellers worldwide.

For more information, call your local Hewlett-Packard sales office or your nearest HP authorised dealer:

#### hp customer information centre (for product information)

Australia	1 323 47
Hong Kong	+852 2599 7066
Singapore	+65 6 2788 100
	+1 800 6 2788 100 (local toll free calls only)

For the following countries, please fax your queries to: +65 275 6707  
• Bangladesh • Brunei • Cambodia • Pakistan • Sri Lanka

#### hp customer care centre (for post-sales service)

Australia	+61 3 8877 8000
Hong Kong	+852 800 96 7729
Singapore	+65 6 272 5300

for more information on support, visit:

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

for more information on hp supportpack, visit:

<http://www.asiapac.hp.com/supportpack>

for more information on hp genuine parts, visit:

<http://www.hp.com/go/hpparts>

All brands and product names are trademarks or registered trademarks of their respective companies.

All information is subject to change without any prior notice (E.&O.E.).

For warranties, please check with your local Hewlett-Packard sales office or your nearest HP authorised dealer for availability.

© Copyright Hewlett-Packard Company 2002

Printed in Singapore M01/2002

P/N: 5980-5943EEP

#### ordering information

number	description
C8523A	HP LaserJet 9000mfp multi-function printer
<b>hp supportpack options<sup>1</sup></b>	
H7695PA/PE	Next business day on-site, 1 year
H7685A/E	Next business day on-site, 3 years
H7697PA/PE	Same business day on-site, 1 year
H7690A/E	Same business day on-site, on-site in 4 hours, 3 years
H2872A/E	Network installation, 1 unit
<b>paper handling</b>	
C8084A	HP 3,000-sheets stacker
C8085A	HP 3,000-sheets stapler/stacker
C8088A	HP Multi-function finisher
<b>print cartridges</b>	
C8543X	HP LaserJet smart print cartridge, 30,000 pages
C8091A	HP Staple cartridge, 3,000-sheets stapler/stacker
C8092A	HP Staple cartridge, multi-function finisher
<b>maintenance kits</b>	
C9152A	HP Printer maintenance kit (110v) after 350,000 pages
C9153A	HP Printer maintenance kit (220v) after 350,000 pages
<b>accessories</b>	
C7140A <sup>2</sup>	HP mfp digital sending software v3.0
Q1314A	HP mfp analog fax accessory
<b>paper</b>	
92296U	HP LaserJet monochrome transparencies, 50 sheets, A4
C4179B	HP LaserJet soft gloss paper, 200 sheets, A4
C2936A	HP LaserJet color transparencies, 50 sheets, A4
92296U	HP LaserJet monochrome transparency, A4
Q1298B	HP LaserJet tough paper, 50 sheets, A4
<b>memory</b>	
C4286A	2 MB flash DIMM
C4287A	4 MB flash DIMM
C8530A	8 MB flash DIMM
C9147A	16 MB flash DIMM
C7843A	16 MB SDRAM DIMM
C7845A	32 MB SDRAM DIMM
Q1887A	64 MB SDRAM DIMM
C9121A	128 MB SDRAM DIMM
<b>interface &amp; cables</b>	
92215N	Macintosh® network cable kit, Phonetnet or LocalTalk connection
92215S	Macintosh network cable kit, 1-to-1 connection network
<b>network</b>	
J3110A	HP Jetdirect internal print server, Ethernet (10Base-T)
J3111A	HP Jetdirect internal print server, Ethernet (10Base-T, 10Base2) and LocalTalk
J4167A	HP Jetdirect internal print server, Token Ring
J6057A	HP Jetdirect internal print server, Ethernet/Fast Ethernet (10/100Base-TX)

<sup>1</sup>Please check with your local hp resellers for availability of other HP Supportpack option

<sup>2</sup>Available in some Asia Pacific countries. Kindly check with your local Hewlett-Packard sales office or your nearest HP authorised dealer for availability



ENERGY STAR is a U.S. registered service mark of the United States Environmental Protection Agency. As an ENERGY STAR partner, HP has determined that this product meets the guidelines for energy efficiency. Adobe and Adobe PostScript 3 are trademarks of Adobe Systems Incorporated. TrueType is a trademark of Apple Computer, Inc. registered in the USA, and other countries. AutoCAD is a U.S. trademark of Autodesk, Inc. Microsoft, Windows, and Windows NT are registered trademarks of Microsoft Corporation in the USA, and other countries. UNIX is a registered trademark of the Open Group. All other brand and product names are trademarks or registered trademarks of their respective companies. The information contained in this document is subject to change without notice. HP makes no warranty of any kind with respect to this information. HP specifically disclaims the implied warranty of merchantability and fitness for a particular purpose. HP shall not be liable for any direct, indirect, incidental, consequential, or other damage alleged in connection with the furnishing or use of this information.





i n v e n t