

**hp LaserJet
9000 series**



hp LaserJet 9000 series

introducing the hp LaserJet 9000 series - a new generation internet-enabled LaserJet monochrome network printers

The new hp LaserJet 9000 series printer offers general office users in demanding workgroup environment with outstanding high volume performance and specialised users in back office transaction printing with excellent reliability, manageability and scalability.

The hp LaserJet 9000 series also comes with user-friendly features such as web-enabled remote printer management, versatility in media handling and finishing.

ultra robust

- enhance office productivity at 50 pages-per-minute throughput
- double-sided printing at engine speed
- built-in RIP-once technology allows for printing multiple originals at engine speed
- professional quality resolution at 600 x 600dpi with
- 30,000-page smart print cartridge
- 300,000 pages-per-month duty cycle

highly versatile

- bi-directional, IEEE 1284-compliant parallel interface with 3 open EIO expansion slots for optional HP JetDirect and third party cards
- fully adjustable, high-capacity paper trays that store a variety of different types of media
- up to three input sources with a total capacity of 3100-sheets. Optional 2000-sheets high capacity input device
- Optional accessories such as 3000-sheets stacker/ 3000-sheets stacker/stapler

intelligent printing

hp LaserJet 9000 series printers are HP's most advanced, user-friendly workgroup printers. Unique communication features make it easier to set up and manage printer operation, minimise the need for user intervention, and take the guesswork out of printer status and printing supplies levels.

browser-compatible printer management

Users no longer have to wait for help with printer set-up and operation. Users on the network can review, change and configure the hp LaserJet 9000 series printer remotely using a standard web browser. This is all possible due to the **embedded web server** and **hp web jetadmin**. Together, they deliver remote printer management solution for one-to-one and one-to-many printer management.

automatic e-mail alerts

hp LaserJet 9000 series printers can be programmed to send preconfigured notifications of printer problems and job status via e-mail to designated recipients on the network. The e-mail notice even provides a hot link for ordering printing supplies via the internet.



smart components

The HP Smart Print supplies system is activated every time you put a HP Smart Print cartridge in your hp LaserJet printer. Each HP Smart Print cartridge features its own smart chip. This chip helps measure and report toner levels, provide usage information, and assure job completion. The HP cartridge, printer, and software are designed to work together-allowing you to monitor your current supplies, order new supplies, and print successfully every time.

**setting a new
performance
standard for
general office printing**

general office printing

The hp LaserJet 9000 is ideal for general office workgroups averaging 15 to 25 users sharing a printer via a network.

general office applications :

- emails
- reports
- presentations
- databases
- charts



powerful, versatile, high-volume printing

hp LaserJet 9000hns printer shown

100-sheet face-up output tray allows straight-through printing on special media

control panel features a 4-line graphical display, 10-key pad, and graphical animation to provide intuitive operation

100-sheet, fold-out, multipurpose tray handles envelopes, labels, and other special media up to 58 lb

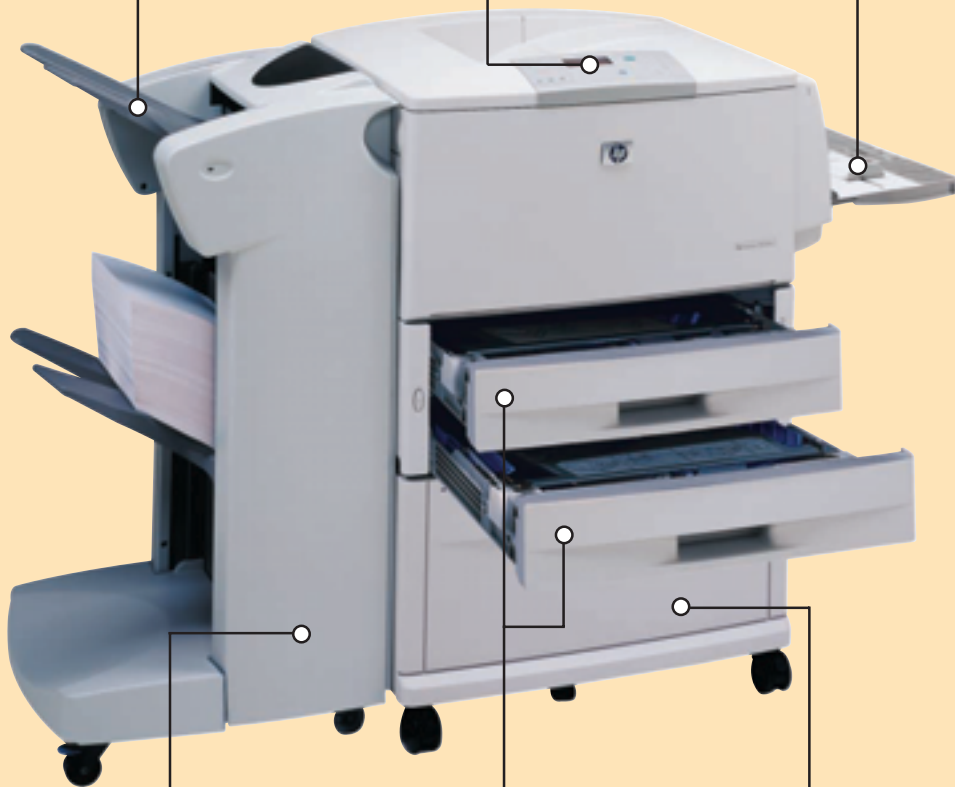
internal features:

hp jetdirect 610n (EIO) internal print server provides high-performance network printing plus additional EIO slots are available for multiple connectivity

automatic duplexing unit permits two-sided printing at engine speed on paper weights up to 53 lb

easy-to-install, high-capacity, smart print cartridge (30,000 pages) means less intervention

all input trays can be adjusted for width and length, from 3.9 x 7.5 inch (99 x 191 mm) up to 11 x 17.7 inch (279 x 450 mm)



3,000-sheet stapler/stacker offers multi-position stapling and job offset for custom document finishing

two 500-sheet paper trays allow different media (up to 53 lb) to be used for a print job

2,000-sheet paper tray supports high-volume printing, handles up to 53-lb stock

transaction printing with hp LaserJet 9000 & jetcaps printing solutions

specialised printing without a specialised printer

The variety and volume of transactions in today's business is enormous. Having a dedicated specialised high volume printer for each type of transaction document is no longer a viable option. Specialised high volume printers are not only expensive but also very inflexible in application.

With hp LaserJet 9000 and hp's jetcaps printing solution, transaction printing can be carried out at a much lower cost. The solution is also a lot more manageable and reliable. May it be barcode printing, e-forms printing or cluster printing, hp offers robust print solutions to meet your needs.

what is transaction printing?

"Transaction printing" is an industry standard term that refers to scheduled batch print jobs with a copy count of one. Normally these jobs are generated from a mainframe or from an NT or Unix Application server. Typical output examples include invoices, statements, payroll, purchase orders, accounts receivable, etc.



why hp's transaction printing solutions?

reduce wastage

Enjoy the real benefits of print on demand. Eliminate stocks of preprinted forms or cheques which become obsolete with every slight change in details. The use of e-forms also saves valuable storage space

flexibility

With our cluster printing solutions, you can reduce reliance on dedicated specialised printers and enhance the versatility and flexibility of your printing capacities

convenience

hp LaserJet 9000 printers allow you to print the quantity of documents you require and make changes at short notice, the solutions are also simple to install and easy to use

high-quality print-outs

Our professional print quality ensures that barcodes can be easily read by all kinds of barcode reader and cheques bear fully readable MICR coding. Preprinted forms and letterheads, even on an ERP platform, can be standardised with the corporate design to guarantee uniform standard

leveraging current investment

By installing software and hardware solutions into existing printers, their usefulness is extended and the yield on investment increased. Savings in specialised maintenance, pre-printing and paper-handling costs are also significant

quality assurance

hp LaserJet 9000 printers are high performance, top quality printers with good reliability and manageability. The LaserJet 9000 prints at 50ppm with HP Fastres 1200 dpi quality, e-enabled print management and excellent

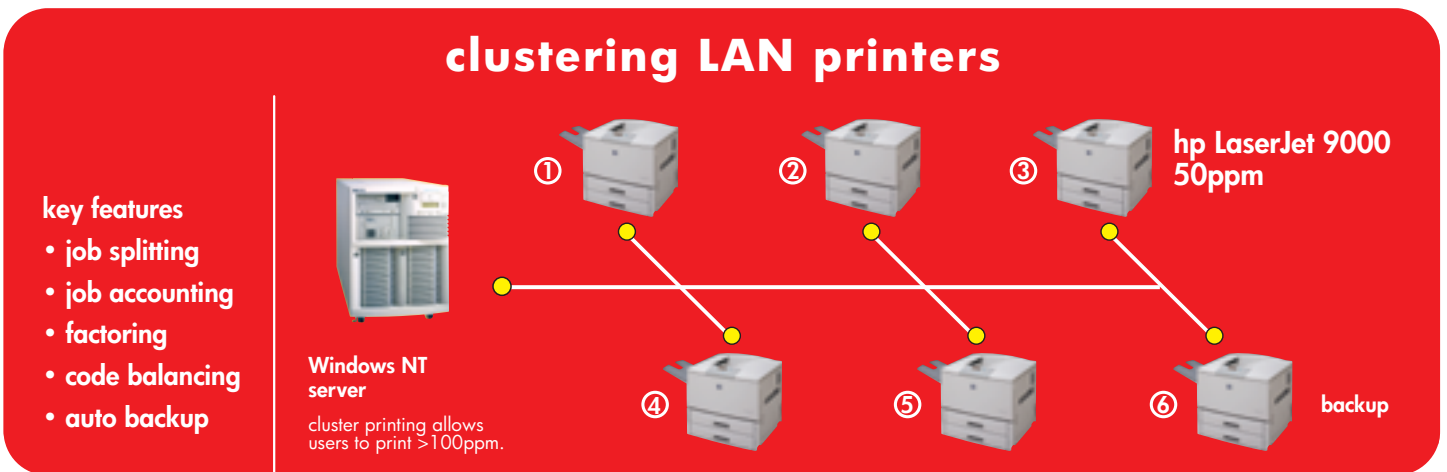
cluster printing with hp LaserJet 9000

Transform your hp LaserJet 9000 printers into a high speed high volume printer through a cluster printing solution.

Investing in a 100ppm high volume printer can be very costly. The specialised high volume printer can also be inflexible in working with different data streams and it is also limited in paper handling and finishing options.

By clustering 6 hp LaserJet 9000 printers with a server-based RIP, you have a print output of up to 300ppm, a total input capacity of 18,600 sheets and output stacking of up to 18,000 sheets.

In addition, with ClusterQue – a server based printing software solution, you would be able to “job split” to automatically distribute large print files across a group (cluster) of printers with a comprehensive print queue management system. Print jobs may be generated (in PCL or PostScript) by virtually any platform on the network (mainframe, Unix, Windows 95/98/NT/2000, AS/400, HP3000, DEC VAX, etc.) If you are a company that wants fast, high-volume printing without the expense, complexity, and other problems associated with a high volume production printer, this is a perfect solution for you.

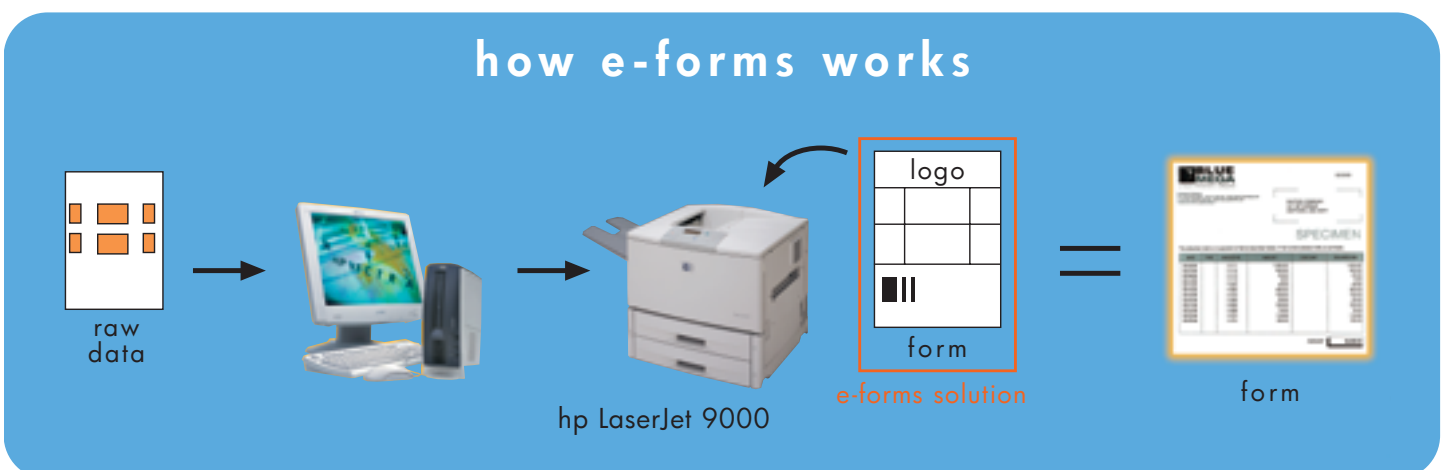


electronic forms with hp LaserJet 9000

Creating pre-printed forms are often time-consuming and wasteful. Not only are the forms inflexible when it comes to alterations, they also take up lots of storage space.

With HP JetCAPS E-Form solutions and the hp LaserJet 9000, you can truly enjoy the benefits of print-on-demand. HP JetCAPS E-Form solutions allow you to embed your forms including barcodes, logos and graphics into the hp LaserJet 9000 printer. You can store forms, letterheads, financial reports and print them only when you need them. You don't have to stock up pre-printed forms and it allows you to make changes to the forms quickly and easily.

There are 2 types of E-Forms printing solutions - printer-based DIMM and server-based software. MegaForm is the powerful server-based software solution for larger and more complex needs. This is especially useful for managing forms with ERP applications such as SAP, eliminating the need for costly and time consuming programming.



selecting the right hp LaserJet 9000 printer



hp LaserJet 9000 (base unit)

- 50-ppm with 300MHz
- 64 MB RAM expandable to 192 MB
- 2-500 sheet custom X-Y trays, 300K duty cycle

hp LaserJet 9000n

- base unit plus:
- EIO 10/100 Base TX printer server
- MP tray for additional 100 sheets input

hp LaserJet 9000dn

- base unit plus:
- EIO 10/100 Base TX printer server
- MP tray for additional 100 sheets input
- Automatic duplexer

hp LaserJet 9000hns

- base unit plus:
- EIO 10/100 Base TX printer server
- MP tray for additional 100 sheets input
- 2000 sheet input tray
- 3000 sheet stapler / stacker



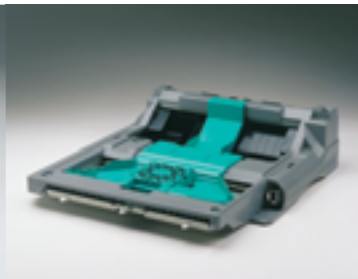
2000 sheet high capacity input

benefits

- Provide high capacity in wide format for all paper sizes up to 12x18"
- Enable the printer to new applications by supporting high input capacity in a variety of paper sizes (standard & custom size)
- Increase Volume/CR of PH input devices

media handling

- Capacity: 1 x 2000
- Media sizes: (Standard)
- Letter, A4, Legal, 11 x 17, A3, B4
- Media weight: 64 g/m² to 199 g/m²
- Full XY support for all custom sizes



duplex unit

benefits

- Provide the ability to automatically duplex paper

media handling

- Paper Sizes: LTR-L, LTR-P, A4-L, A4-P, LGL-P, LDG-P, A3-P (ISO), B4-P (JIS), A4-P (ISO), EXEC-P and Custom Sizes (182 - 297mm by 210 - 432mm)
- Paper Weights: 64 g/m² - 199 g/m²



3000-sheet stacker

benefits

- Provide a high-capacity output – increases printer's total output capacity by 3,000 sheets of standard paper
- Job separation – saves users time by automatically separating printed documents with job-offset capability

media handling

- Paper Output: Face Up, Face Down (with or without offset)
- Paper Sizes: Ltr-L, LGL, LDR, A4-L, B4, A3, A5, Exec, Custom Sizes (W:148mm - 312mm; L: 210mm - 432mm)
- Face Up Tray only: Cut sheet paper, OHT, Labels & Envelops
- Paper Weights: 64 g/m² - 216g/m² Face Up Tray 64 g/m² - 199 g/m² Face Down Tray
- Output Capacity: Face up tray: 100 sheets 75 g/m² Face Down Tray: 3000 sheets Letter #20, 1500 sheets ledger/A3



3000-Sheet Stapler/Stacker

benefits

- Provide a high-capacity output – increases printer's total output capacity by 3,000 sheets of standard paper
- Multiposition stapler – makes it easy for users to customize document finishing by selecting the number and position of desired staples. Users can produce complete, ready-to-go documents in a single step
- Job separation – saves users time by automatically separating printed documents with job-offset capability

media handling

- Paper Output: Face Up, Face Down
- Paper Sizes: range from letter, A4 to custom sizes
- Paper Weights: 64 g/m² - 216 g/m² Face Up Tray 64 g/m² - 199 g/m² Face Down Tray
- Output Capacity: Face up tray: 100 sheets 75 g/m² Face Down Tray: 3000 sheets Letter #20, 1500 sheets ledger/A3, 200 job of 5 pages min
- Stapling: 2 to 50 sheets
- Cartridge capacity: 3000 staples

technical specifications

speed and throughput

- 50 ppm rated engine speed
- 300 MHz RISC microprocessor
- Accelerated Printing technologies, User friendly graphical user interface offers intuitive touch and menu driven selections as well as very friendly graphical help buttons throughout the drivers
- RAM based Mopying and RIP Once ability standard
- Full speed duplexing of media sizes up to 279-mm length (A4, LTR, Exec)

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 up to 220 levels of gray

font capabilities

- 80 scaleable TrueType® fonts built in, with 65 additional scaleable typefaces on disk for Windows
- Additional 136PS fonts available as dimm accessory
- Intelifont rasterizer built in to PCL 5
- Greek, Hebrew, Cyrillic, and Arabic fonts available for Europe
- Korean, traditional, and Simplified Chinese fonts available for Asia

memory

- 64 MB standard RAM on 100 pin DIMMS with Memory Enhancement technology (MEt)
- Enough std. memory to Mopy and RIP Once in RAM
- Two 100 pin DIMM slots for memory expansion up to 384 Mbytes
- Optional 5 Gbyte disk drive for storage of forms, fonts and signatures as well as Mopy and RIP Once
- Optional 2, 4 and 8 MB flash memory DIMMs

management

hp Web JetAdmin:

- Provides the industry with one of the most complete, multi-vendor printer management using the Standard Printer MIB, which is defined by RFC 1759
- Supports both the TCP/IP and IPX/SPX protocols
- You can install hp Web JetAdmin on Microsoft Windows NT 4.0 (server or workstation); Windows 2000; HP-UX 10x, 11x; Solaris 2.5 and above; RedHat Linux 5.2 and above; and SuSe Linux 6.2
- Supports Netscape 4.5 and greater and Microsoft Internet Explorer 4.0 and greater
- Can be used to perform the following management tasks: install printers, configure printer options, configure and install multiple printers at once, troubleshoot printer problems, schedule discoveries to update the device cache during off-peak hours, search for a specific printer or group of printers based on a wide variety of criteria, check a printer's current status, check the status of a printer's consumables, verify the type of media loaded in a printer's trays, verify a printer's capabilities, organise printers by logical groups, and create a virtual office layout with dynamic site maps

connectivity

hp LaserJet 9000 printer:

- Bidirectional IEEE 1284-compliant parallel interface
- Three open EIO expansion slots
- Optional: HP Jetdirect EIO internal print servers, HP Fast Infrared (FIR) receiver

hp LaserJet 9000n, 9000dn, and 9000hns printers:

- Bidirectional IEEE 1284-compliant parallel interface
- Two open EIO slots,
- HP Jetdirect 610n EIO print server for Ethernet 10/100Base-TX
- Optional: alternative HP Jetdirect EIO internal print servers, HP Fast Infrared (FIR) receiver

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)

interface and cables

- Parallel A to C connector supplied in the base
- Jetsend enabled

paper handling

Up to 4 input trays for a maximum capacity of 3,100 sheets

- Tray #2 and #3: 500-sheet input tray (standard on all models)
- Tray #1: 100-sheet multipurpose tray (standard on 9000n, 9000dn, 9000hns)
- Tray #4: 2,000-sheet input tray (standard on 9000hns)

Up to 3 output sources for a maximum capacity of 3,600 sheets

- 500-sheet correct-order output on top of printer (standard on all models)
- 100-sheet face-up output tray (standard on all models)
- 3,000-sheet stacker (optional on 9000, 9000n, 9000dn)
- 3,000-sheet stapler/stacker (standard on 9000hns)

printer languages

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

paper

Copier, bond, special application, recycled paper and transparencies:

- Standard paper tray #1 – 16 to 58 lb (60 to 216 g/m²)
- Tray #2 and #3 – 16 to 53 lb (60 to 199 g/m²)
- Optional 2000-sheet tray
- Optional duplexer – 16 to 28 lb (60 to 105 g/m²)
- Overhead transparencies and labels designed for monochrome laser printers using tray #1
- Envelopes – 16 to 28 lb (60 to 105 g/m²)

paper types

- Tray #1 A3, A4 B/Ledger, maximum 11.7x17.7, B4, Letter, Legal, Executive, B5, Monarch Maximum media: 312-mm x 469-mm / 12.28 in. X 18.46 in. A5
- Tray #2 A3, A4 B/Ledger, maximum 11.7x17.7, B4, Letter, Legal, Executive, B5, Monarch, A5 and Custom sizes also supported
- Tray #3 A3, A4 B/Ledger, maximum 11.7x17.7, B4, Letter, Legal, Executive, B5, Monarch, A5 and Custom sizes also supported
- Optional 2000 sheet input tray: Letter, Legal A4, B4, 11x17, A3, B5, Exec. Custom sizes also supported

envelope types

- #10 regular, monarch, DL, C5 and B5

print orientation

- Portrait, landscape, reverse portrait and reverse landscape
- 3 hole paper capability. Letter and A4 size media can be printed in landscape at 50 images per minute (single sided or 2-sided printing)
- Letter and A4 may be printed in portrait orientation at reduced throughput to support image size reduction and booklet making

control panel

- 4X20 back lit graphical display with buttons to scroll through the menus
- (Go) button and (Cancel Job) feature at the printer
- Font selection at the printer
- Messages can be displayed in 17 languages: Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Polish, Portuguese, Spanish, Swedish, Turkish, Russian, Hungarian, Czech, and Katakana

environmental ranges

Temperature for printer and toner:

- Operating 50° to 91 °F (10° to 32.5 °C)
- Storage: 32° to 95 °F (0° to 35 °C)

Humidity:

- Operating 10% to 80% RH non-condensing
- Storage 15% to 90% RH non-condensing

Acoustics:

- Operating position: LpAm = 59 dB (A) printing, LpAm = 43 dB (A) idle
- Standby position: LpAm = 55 dB (A) printing, LpAm = 41 dB (A) idle
- Sound Power: LwAd = 7.1 Bels (A) printing, LwAd = 5.6 Bels (A) idle

power requirements

- Source: 100 to 127 volts (+/-10%) or 220 or 240 volts (+/-10%)
- Printer's voltage ranges depends upon the country in which the printer is purchased
- Frequency: 50 or 60 Hz (+/- 2 Hz)
- Power Consumption: Printing – 285 to 300 watts (average). Standby – 90 to 100 watts (average). Powersave – 35 to 45 watts (EPA Energy Star) and Blue Angel Compliant

dimensions(w x h x d)

- 640mm (W) x 610mm (D) x 610mm (H)

weight

- 61.2 kg (134.6 lbs) (without formatter)

product certifications

- UL 1950 listed; C-22.2-950 certified; complies with IEC 950/EN 60950, FCC Class B certified, CISPR-22 level B, Product CDRH certified Class 1 Laser Product (safe for office/EDP use)

duty cycle

- Up to 300,000 pages per month

internet

- Easy custom internet software disk replication utility to customise what options administrators will load to their systems
- Web JetAdmin for easy intranet administration
- Internet installer for easy downloading and updating of software
- Software utility to let you know when updates are available. Internet page set up utility to format and print internet pages and to poll the internet for addresses that you have requested as well as schedule the printing of those selected pages at intervals that you declare

warranty

- For Australia and New Zealand : 2 years or 1,200,000-page next day on-site

further information

The latest information on HP products and service is available on the World Wide Web at

<http://www.hp.com> or www.hp.com/go/lj9000

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

hp customer information center (for product information)

Australia	1 32347
China	+86 10 6564 5858
Hong Kong	+852 2599 7066
India	+91 11 9628 123 123
Indonesia	+62 21 579 00323
Korea	+82 2 3270 0720
Malaysia	+60 3 2698 1111
New Zealand	+0800 733 547
Philippines	+63 2 814 1077
Singapore	+65 278 8100
	1800 278 8100 (local toll free calls only)
Taiwan	+886 2 2717 0055
Thailand	+66 2 661 4000
Vietnam	+848 823 4530

For the following countries, please fax your queries to:
+65 275 6707

• Bangladesh • Brunei • Cambodia • Pakistan • Sri Lanka

hp customer care center (for post-sales service)

Australia	+61 3 8877 8000
China	+86 10 6564 5959
Hong Kong	+852 800 96 7729
India	+91 11 682 6035
Indonesia	+62 21 350 3408
Korea	+82 2 3270 0700
Malaysia	+60 3 2695 2566
New Zealand	+64 9 356 6640
Philippines	+63 2 867 3551
Singapore	+65 272 5300
Taiwan	+886 2 2717 0055
Thailand	+66 2 661 4000
Vietnam	+848 823 4530

- 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>
- For more information on Web JetAdmin, visit:
<http://www.hp.com/go/webjetadmin>
- For more information on jetcaps printing solution, visit:
<http://www.jetcaps.com>

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All information is subject to change without any prior notice (E.&O.E.).
For warranties, please check with your local country resellers.
Photo is for illustrative purpose only, actual product may differ from time to time.

ordering information

number	description
C8519A	hp LaserJet 9000
C8520A	hp LaserJet 9000n
C8521A	hp LaserJet 9000dn
NA	hp LaserJet 9000hns To place an order for hp LaserJet 9000hns, kindly quote the following part numbers: – hp LaserJet 9000dn (C8521A) – 2000-sheet input tray (C8531A) – 3000-sheet stapler/stacker (C8085A)

hp supportpack options¹

H7599A/E	3-year Next business day on-site response (LJ9000/N/DN)
H7600A/E	3-year Next business day on-site response (LJ9000HNS)
H7603A/E	3-year 4-business hour on-site response (LJ9000/N/DN)
H7606A/E	3-year 4-business hour on-site response (LJ9000HNS)
H7611A/E	3-year Advanced Maintenance Service - Next business day on-site response (LJ9000/N/DN)
H7612A/E	3-year Advanced Maintenance Service - Next business day on-site response (LJ9000HNS)
H7613A/E	3-year Advanced Maintenance Service - 4-business hour on-site response (LJ9000/N/DN)
H7614A/E	3-year Advanced Maintenance Service - 4-business hour on-site response (LJ9000HNS)
H4515A/E	Physical Installation (1 unit)
H4516A/E	Physical Installation (2-5 units)
H2872A/E	Physical Installation with network configuration (1 unit)
H4442A/E	Physical Installation with network configuration (2-5 units)

memory

C7843A	16 MB DIMM
C7845A	32 MB DIMM
C7846A	64 MB DIMM
C9121A	128 MB DIMM

paper handling accessories

C8531A	2000-Sheet Input Tray
C8532A	Duplex Printing Accessory
C8084A	3,000-sheet Stacker
C8085A	3,000-sheet Stapler/Stacker

printer connectivity solutions

J4167A	EIO JetDirect – Token Ring
J4169A	EIO JetDirect – High Speed Ethernet (10BaseT/100TX)
C4103A	FIR Transceiver Pod

mass storage

J6054A	EIO – 5GB Disk Drive
C4286A	2 MB Flash DIMM
C4287A	4 MB Flash DIMM
C8530A	8 MB Flash DIMM

supplies and accessories

C8543X	HP LaserJet Smart Print Cartridge (30,000 pages)
C8544X	HP LaserJet Smart Print Cartridge (30,000 pages) Pallet
C9152A	Maintenance Kit (110V)
C9153A	Maintenance Kit (220V)

cables

C2946A	3 meter IEEE 1284 Parallel A to C
C2947A	10 meter IEEE 1284 Parallel A to C

Approximate figures. Exact speed will vary depending on the system configuration, software program and document complexity.

¹ Please check with your local HP reseller for availability of other HP Supportpack options.



invent