data sheet

hp LaserJet 9000 series printers
high-volume monochrome network printers

HP LaserJet 9000 series printers deliver the robust capabilities required to support today's distributed business environments by providing a printing system for the diverse needs of general office and high-volume batch document production. With the HP LaserJet 9000 series printers, HP offers a system that delivers leading technologies, reliable performance, advanced supplies, and services and support that will free up your company's resources.

versatile

- optimize your printing assets—the hp LaserJet 9000 series printer can easily handle general office needs, while augmenting dedicated high-volume production printing during peak demand periods
- cluster printing—cluster multiple hp LaserJet 9000 series printers into one virtual machine for expanded speed to process and deliver even higher volume print jobs quickly
- secure printing features—control panel PIN features allows private printing of confidential documents and proof-and-hold allows users to proof one copy of a print job before releasing remaining copies from the control panel
- flexible media handling—multiple, adjustable paper trays allow edge-to-edge printing on custom media sizes up to 11 by 17 inches and provides a variety of media simultaneously to meet users' specialized needs
- advanced finishing options—multifunction finisher allows the ability to create high quality external documents and enables short-run desktop publishing

powerful

- fast, high resolution printing—hp LaserJet engine provides 50 pages-per-minute printing and the hp jetdirect 615n internal print server allows fast file throughput for printing at true engine speed even when printing on both sides of the paper and at the highest quality resolution
- efficient printing of multiple originals—built-in RIP-once technology enables printing of multiple originals at engine speed
- high-capacity—minimize intervention and maximize flexibility with 300,000 pages-per-month duty cycle, 30,000-page hp smart print cartridge, up to 3,100 sheets of input capacity and 3,600 sheets of output capacity with automatic document handling through inline stacking and stapling/stacking accessories

cost-effective

- distributed printing—reduce centralized printing and associated manual distribution costs and delivery delays by printing batch documents at the location they are needed
- increase productivity through ease of use—intuitive four-line, 10-key LCD control panel simplifies processes for end users; installation, network installation and configuration services, maintenance kits, and extended next-day, onsite warranty options save support time
- time-saving network printer management—save time and resources with proactive e-mail alerts and remote printer management via the Internet or intranet, with hp web jetadmin you can configure, monitor, and troubleshoot issues from virtually anywhere
- effective information management—optional hp and third-party software solutions provide integrated solutions that allow you to create, distribute, secure, and manage printed information in your distributed work environment (for more information go to www.hp.com/go/gsc)

Utilize the power of the Internet with dynamic new tools from HP. Manage your business critical information smarter, faster, and easier with our intelligent appliances—digital solutions expanding your success in the e-world.

powerful, versatile, high-volume printing

**hp LaserJet 9000hns printer with optional multifunction finisher and
hp LaserJet 9000hnf printer with optional stapler/stacker shown**

produce professional-looking booklets and brochures using the multifunction finisher

Fast Infrared (FIR) receiver for easy wireless printing from notebook computers and handhelds

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

hp jetdirect 615n (EIO) internal print server for high performance network printing—plus additional EIO slots are available for multiple connectivity
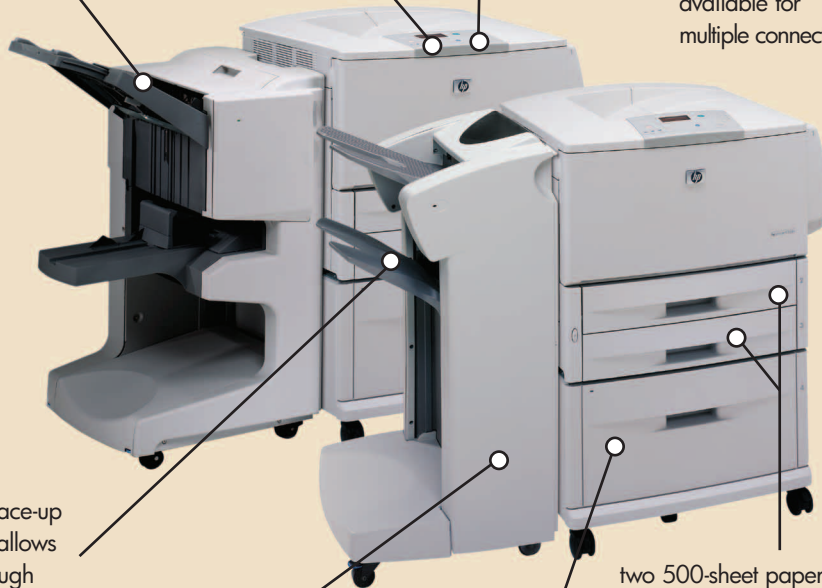
compliments your business processes

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

easy-to-install, high-capacity, (30,000 page yield), hp smart print cartridge that allows you to accurately monitor toner levels and reduce intervention

hp's embedded Web server and Chai virtual machine add Internet intelligence for enhanced capabilities

hp offers a variety of media to meet-diverse business needs:
- clear, heavy-duty hp LaserJet transparencies
- general office and multi-purpose papers for high-volume needs
- business communications look their best with premium hp LaserJet high gloss and soft gloss papers

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

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

two 500-sheet paper trays allows simultaneous access to a variety of media from 3.9 by 7.5 to 11.7 by 17 inches and up to 53 lb

100-sheet, fold-out, multipurpose tray handles up to 10 envelopes, plus labels, and other special media up to 12.3 x 18.5 in and 58 lb

2,000-sheet paper tray supports high-volume printing, handles media sizes up to 7.2 by 8.3 to 11.7 by 17 inches and weights up to 53-lb stock

hp LaserJet 9000 base unit	**hp LaserJet 9000n** base unit plus:	**hp LaserJet 9000dn** base unit plus:	**hp LaserJet 9000hns** base unit plus:	**hp LaserJet 9000hnf** base unit plus:
• 50 ppm print speed • first page out in less than 8 seconds • built-in RIP-once technology • 300,000 pages-per-month duty cycle • 64 MB memory • EIO expansion slots • one-year limited warranty	• hp jetdirect 615n (EIO) internal print server for Ethernet 10/100Base-TX • 100-sheet multipurpose tray	• hp jetdirect 615n (EIO) internal print server for Ethernet 10/100Base-TX • 100-sheet multipurpose tray • automatic duplex unit	• hp jetdirect 615n (EIO) internal print server for Ethernet 10/100Base-TX • 100-sheet multipurpose tray • automatic duplex unit • 2,000-sheet input tray • 3,000-sheet stapler/stacker	• hp jetdirect 615n (EIO) internal print server for Ethernet 10/100Base-TX • 100-sheet multipurpose tray • automatic duplex unit • 2,000-sheet input tray • multifunction finisher

deliver documents across your extended work environment

distributed printing

The HP LaserJet 9000 series printers have the power and versatility to make distributed printing a reality for any organization. Integrated business solutions from HP and key partners provide unsurpassed compatibility in most business environments—even those utilizing multiple hardware and software platforms—to accomplish true distributed printing. Now, monthly statements, invoices, purchase orders, and large reports can be created where they need to be delivered so the cost and distribution time associated with centralized printing can be reduced or eliminated.

Printing documents where users need them offers multiple business advantages:

- quicker, more convenient access to information
- confidentiality
- local control over documents
- improved utilization of network printers
- reduced costs

financing, service and support

With HP's flexible acquisition, maintenance and service options, you can integrate the HP LaserJet 9000 into your environment in the way that makes the most sense for your business.

Included with the HP LaserJet 9000 is a one-year, limited warranty that includes phone support backed by award-winning HP Customer Care and HP Instant Support for Printers—an e-service that provides self-help and troubleshooting information via the Web.
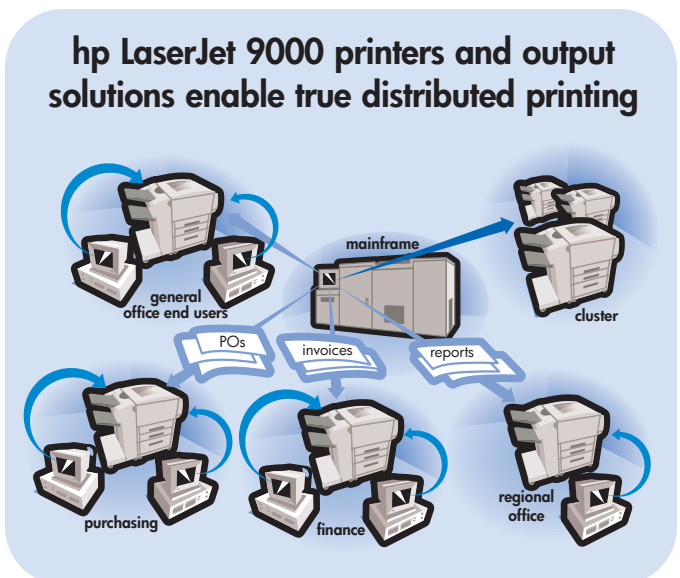
You can upgrade to service and support options that provide HP installation, maintenance kits, and extended warranties—up to all-in-one services that include hardware, supplies, support, and service. HP Print Advantage service allows you to procure and manage your printing and copying like a utility with a variety of payment options. HP Managed Print Services can manage your entire printing infrastructure including hardware, supplies, support, services, software, consulting, integration, and project management.

speed and performance

HP LaserJet 9000 series printers are designed to process documents quickly and enable users to take advantage of the powerful print engine. The 300 MHz processor and RIP-once technology render print jobs efficiently at true 50 ppm engine print speed. The HP LaserJet 9000 printer delivers edge-to-edge printing with HP FastREs 1200-dpi resolution.

The HP Jetdirect EIO internal print server is designed to handle up to 2 MB of data per second, eliminating any bottle neck of information flow from the network to your printer and HP Web Jetadmin free downloadable software allows simple network printer installation, configuration, and management. For businesses running 802.11b wireless networks, wireless networking is an option with the HP Jetdirect 680n wireless internal print server.

Advanced paper handling capabilities enable printing on both sides of the sheet with the automatic duplexer without any performance penalty, provide job separation with the stacker and stapler/stacker output devices so that users can access their print jobs quickly and easily, and enhances short-run desktop publishing with the multifunction finisher that provides high quality booklet making.

hp LaserJet 9000 printers and output solutions enable true distributed printing

mainframe

general office end users

cluster

POs invoices reports

purchasing finance regional office

technical specifications

hp LaserJet 9000

50 ppm
300 MHz RISC microprocessor
300,000 pages-per-month duty cycle
Internal EIO expansion slots
HP LaserJet Smart Print Cartridge (30,000 pages at an average of 5% coverage)
HP PCL 6, HP PCL 5e, and HP Postscript 3 emulation
64 MB RAM memory expandable to 384 MB RAM
Memory Enhancement technology (Met)
RIP Once and Transmit Once technology
Full speed duplexing
Private print and proof-and-hold job retention features in RAM
Edge-to-edge printing

resolution
HP FastRes 1200 (1200 dpi quality) at engine speed
600 x 600 dpi with Resolution Enhancement technology (REt)

paper handling
Up to 4 input trays for a maximum capacity of 3,100 sheets
  Tray 1: 100-sheet multipurpose tray (standard on 9000n, 9000dn, 9000hns, 9000hnf)
  Tray 2 and 3: 500-sheet input tray (standard on all models)
  Tray 4: 2000-sheet input tray (standard on 9000hnf)
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 stacker/stapler (standard on 9000hns)
  Multifunction finisher (standard on 9000hnf)
Auto-duplexer

media capability
Plain, preprinted, letterhead, prepunched, bond, color, recycled, cardstock, and rough papers; transparencies and labels designed for laser printers
Standard media sizes:
  letter, legal, executive, tabloid, A3, A4, A5 (except tray 4), B4, B5, up to 10 envelopes (tray 1)
  Tray 1: 16 to 58 lb (60 to 216 g/m²)
  Tray 2 and 3: 16 to 53 lb (60 to 199 g/m²)
  Tray 4: no A5 compatibility, 7.2 by 8.3 inches (182 by 210 mm), 11 by 17 inches (297 x 432 mm) maximum; 16 to 53 lb (60 to 199 g/m²)
  Duplexer: letter, legal, tabloid, A/3, A/4, A/5; 16 to 53 lb (60 to 199 g/m²)

print orientation
Portrait, landscape, reverse portrait, and reverse landscape

control panel
four-line graphical display (20 characters per line), 10-key numeric pad, eight navigation keys, and three LED (light-emitting device) indicator lights

font capabilities
80 scalable TrueType™ fonts

connectivity
HP LaserJet 9000:
  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, 9000hns and 9000hnf printers:
  Bidirectional IEEE 1284-compliant parallel interface
  Two open EIO expansion slots
  HP Jetdirect 615n EIO internal print server for Ethernet 10/100Base-TX
Optional: HP Fast Infrared (FIR) receiver

environmental ranges
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

power requirements
Source: 100 to 127 volts (± 10%)
Frequency: 50 to 60 Hz (± 2 Hz)

power consumption
Printing: 1040 watts maximum
Standby (ready state): 90 to 100 watts
Powersave mode: 35 to 45 watts (ENERGY STAR® compliant)

acoustics
Operating position: LpAm = 59 dB (A) printing, LpAm = 43 dB (A) Idle
Bystander 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

warranty
One-year limited warranty

physical dimensions (w by d by h)
HP LaserJet 9000, 9000n, 9000dn: 26 by 27 by 24 inches (66 by 69 by 61 cm)
HP LaserJet 9000hns: 45 by 31 by 39 inches (114 by 79 by 99 cm)
HP LaserJet 9000hnf: 50 by 31 by 39 inches (127 by 79 by 99 cm)

operating space requirements (w by d by h)
HP LaserJet 9000: 53 by 45 by 24 inches (134.6 by 114.3 by 61 cm)
HP LaserJet 9000n, 9000dn: 53 by 45 by 24 inches (134.6 by 114.3 by 61 cm)
HP LaserJet 9000hns: 67 by 31 by 39 inches (169 by 74 by 99 cm)
HP LaserJet 9000hnf: 73 by 31 by 39 inches (185.4 by 74 by 99 cm)

weight (without print cartridge)
HP LaserJet 9000: 140 lb (308.6 kg)
HP LaserJet 9000dn: 153 lb (337.3 kg)
HP LaserJet 9000hn: 158 lb (348.3 kg)
HP LaserJet 9000hns: 234.3 lb (516.5 kg)
HP LaserJet 9000hnf: 254.9 lb (561.9 kg)

product certification
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

ordering information

number   description

number	description
C8519A	HP LaserJet 9000 printer
C8520A	HP LaserJet 9000n network-ready printer
C8521A	HP LaserJet 9000dn network-ready duplex printer
C8522A	HP LaserJet 9000hns high-volume stapler/stacker printer
Q3685A	HP LaserJet 9000hnf multifunction finisher printer

service and support

H7617A/E	Hardware installation
H7621A/E	Network installation
H3730A	Maintenance kit replacement service
H7599E	Three-year extended next-day onsite warranty
H7603E	Three-year extended same-day onsite warranty
U2043E	Three-year extended same-day 24 x 7 warranty

accessories

C8532A	Automatic duplex unit
C8568A	100-sheet multi-purpose tray
C8531A	2,000-sheet input tray
C8084A	3,000-sheet stacker (requires 2,000-sheet input tray C8531A)
C8085A	3,000-sheet stapler/stacker (requires 2,000-sheet input tray C8531A)
C8088A	HP multifunction finisher (requires 2,000-sheet input tray C8531A)
C4103A	HP Fast Infrared (FIR) receiver
J6054B	10 GB EIO hard disk drive

supplies

C8543X	HP LaserJet smart print cartridge, 30,000 pages
C8091A	HP staple cartridge
C9152A	HP Printer maintenance kit (110v) after 350,000 pages
C9153A	HP Printer maintenance kit (220v) after 350,000 pages
C4179A	HP LaserJet soft gloss paper
HPM1120	HP Multipurpose paper (letter)
HPM1720	HP Multipurpose paper (11 by 17 inches)
HPJ1124	HP LaserJet paper (letter)
HPJ1724	HP LaserJet paper (11 by 17 inches)
92296T	HP LaserJet monochrome transparency, 50 sheets, letter.

memory

C4286A	2MB flash DIMM
C4287A	4MB flash DIMM
C8530A	8MB flash DIMM
C9147A	16MB flash DIMM
C7843A	16MB SDRAM DIMM
C7845A	32MB SDRAM DIMM
Q1887A	64MB SDRAM DIMM
C9121A	128MB SDRAM DIMM

interface and cables

92215N	Macintosh network cable kit, Phonenet or LocalTalk connection
92215S	Macintosh network cable kit, one-to-one connection

network

J4167A	HP Jetdirect 610n Token Ring
J6057A	HP Jetdirect 615n Fast Ethernet (10/100Base-TX)
J6058A	HP Jetdirect 680n 802.11b wireless internal print server

system requirements
Compatible with Microsoft® Windows 95, 98, NT® 4.0, Me, 2000, IBM OS/2 version 3.0 or greater (Web), Macintosh 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, Macintosh OS (Ethertalk), Linux (Web), UNIX® (Web

For more information on the HP LaserJet 9000, visit our Web site at www.hp.com 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 authorized HP resellers worldwide.

HP PCs use genuine Windows Operating Systems
www.microsoft.com/piracy/howtotell

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Product: Visit www.hp.com
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Accessibility: HP is committed to providing products and services that are accessible to people with disabilities. For more information, please visit www.hp.com/accessibility or call 888-259-5707.