HP LaserJet 9050 series

High-performance, high-volume, black-and-white printing up to A3 with paper-handling options, including an 8-bin mailbox. Get proven HP reliability and maximised productivity with powerful management features and optional HP and 3rd party solutions.

The HP LaserJet 9050 series printer is a wide format, black and white printer, providing general office users in demanding workgroup environments and departments outstanding high-volume performance with proven HP reliability and design.

Extensive versatility.

- Minimise user intervention and maximise flexibility with an optional input capacity of up to 3,100 sheets and output of up to 3,600 sheets.
- With the optional 8-bin mailbox you can assign each bin to an individual, workgroup or department to enable easy job retrieval.
- Provide efficient document production with an optional 3000-sheet stacker, 3000-sheet stapler/stacker or a multifunction finisher for folding and saddle stitching of booklets.

Cost-effective.

- Save your time and money as the HP Embedded Web Server performs remote diagnostics, sends e-mail alerts, and provides job tracking and accounting information.
- Enjoy effortless network management with HP Web Jetadmin*, providing remote installation, configuration and proactive management of your network peripherals.
- Provide integrated solutions for your business, including form, check and barcode printing with optional HP and third-party software.
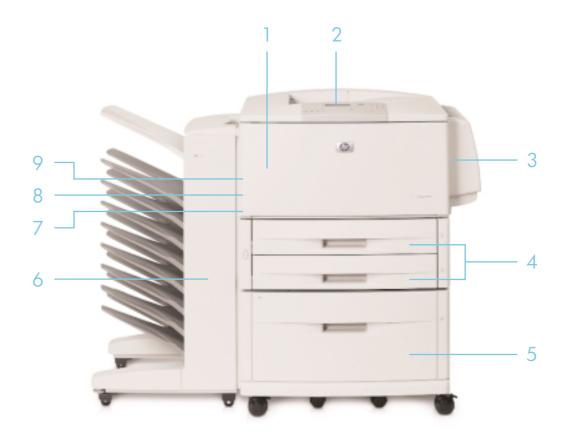
Fast and highly reliable.

- Achieve consistently professional printing up to A3 size. Fast and reliable at up to 50 ppm, quick first page out in under 8 seconds and a high duty cycle of up to 300,000 pages per month.
- Fast data throughput for demanding document production environments and powerful, easy-to-use networking with HP Jetdirect Fast Ethernet embedded print server*.
- Easily handle your most complex documents with the quick 533 MHz processor and expandable memory up to 512 MB.

* Standard on HP LaserJet 9050n and 9050dn model printers.

HP LaserJet 9050

HP LaserJet 9050n,
shown with optional
2000-sheet input tray

HP LaserJet 9050dn,
shown with optional
2000-sheet input tray and
8-bin mailbox

HP LaserJet 9050 series printer

1. Automatic two-sided printing unit offers fast, efficient duplexing

2. Control panel with 10-key number pad simultaneously displays up to four lines of text and animated graphics

3. 100-sheet multipurpose tray handles heavy custom media up to 58 lb bond or 216 g/m²

4. Adjustable 500-sheet input trays 2 and 3

5. Optional 2000-sheet input tray 4 delivers high-volume printing

6. Optional 8-bin mailbox enables automatic document sorting for individuals and departments

7. HP Jetdirect Fast Ethernet internal print server enables networking

8. Large standard memory (64 MB for HP LaserJet 9050 or 128 MB for HP LaserJet 9050n/dn) and a powerful 533 MHz processor enable complex tasks to be performed quickly

9. Bidirectional IEEE-1284-B compliant parallel port

HP LaserJet 9050dn printer shown with optional 2000-sheet input tray and optional 8-bin mailbox

Versatile design
Add the following optional components to your HP LaserJet 9050 series printer to meet the needs of your business:

- 2,000-sheet input tray for up to 3,100-sheet capacity
- 8-bin mailbox, stacker, stapler/stacker, or multifunction finisher
- Add memory up to 512 MB
- Use the two available EIO slots for an optional HP Jetdirect wireless print server, 20 GB HP high-performance EIO hard disk, or HP and third-party software solutions for business functions including form, cheque, and barcode printing

Series at a glance
HP LaserJet 9050
- Two 500-sheet input trays for 1,000-sheet capacity
- 64 MB memory
- Two empty EIO slots

HP LaserJet 9050n
All of the features of the 9050 model plus:
- 100-sheet multipurpose tray for 1,100-sheet capacity
- HP Jetdirect Fast Ethernet embedded print server
- 128 MB total memory

HP LaserJet 9050dn
All of the features of the 9050n model plus:
- Automatic two-sided printing unit

Make life easier and get the most out of your HP LaserJet 9050 printer with versatile, extended solutions.

Management control

The HP LaserJet 9050 series incorporates advanced hardware and software features to make device management scalable – from a critical single device to your complete network of connected peripherals. HP Embedded Web Server provides direct access to the HP LaserJet 9050 series on the network and allows full control to remotely configure device settings and e-mail alerts, monitor status, and diagnose device problems. HP Web Jetadmin enables remote installation, configuration, diagnostics, and proactive management for all your network peripherals from a common web browser – device problems can be resolved quickly with direct access to targeted self-help information via the web.

HP JetCAPS solutions

Together with our worldwide network of HP JetCAPS partners we can offer you a full range of carefully selected products and business printing solutions that complement HP LaserJet printers. Products can be mixed, matched and customised to provide you with exactly the printing solution you require. Consulting, implementation services and support are also available.

The range of extended solutions available for the HP LaserJet 9050 series enables you to achieve huge savings, and accomplish printing tasks more easily. Available solutions include:

JetCAPS BarDIMM® 3
Print high quality barcodes, in any site or direction, with automatic checksum and text, without specialty barcode printers. Recommended by SAP for barcode printing from R/3.

JetCAPS ClusterQue
A scalable solution to maximize throughput and usage, and provide the capacity and volume of 'big iron' printers at a fraction of the price. Backup capabilities ensure printing up-time.

JetCAPS Pull printing
Provides flexible, personalized printing on every pull printing enabled printer by holding back printouts (on server or printer hard drive) until the authorized recipient is present to collect them.

JetCAPS MegaForm®
Produce attractive forms from legacy and business applications, regardless of platform, using complex data remapping and calculations to help you produce customized and localized versions of multi-part forms.

JetCAPS MegaTrack®
Control your printing costs and plan printer and consumables purchasing using real-time and statistical information on printer usage.

Additional information can be obtained from www.jetcaps.com

Advanced paper handling options

8-bin mailbox – Each mailbox bin can be assigned to an individual, workgroup, or department for easy job retrieval. The mailbox is also equipped with a sorter/collator, stacker, and job separator.

Stacker – Stacks up to 3,000 sheets of paper with job offset.

Stapler/stacker – Provides 3000-sheet stacker capabilities as well as multi-position stapling for up to 50 sheets of paper per job.

Multifunction finisher – Provides 1,000 sheets of stacking capacity, stapling for up to 50 sheets of paper per job, plus folding and saddle stitching for booklets of up to 10 sheets of paper.

Rutishauser TowerFeed – Adds up to 6 additional paper input trays. For more information on this and other JetCAPS printing solutions, see http://www.jetcaps.com/partners

Technical specifications

Print technology	Laser
Print speed	A4: up to 50 ppm A3: up to 28 ppm First page out: less than 8 secs
Processor	533 MHz, 20KC MIPS Microprocessor
Memory	HP LaserJet 9050 printer: 64 MB RAM, HP LaserJet 9050n/dn printer: 128 MB RAM Optional, 20 GB HP High-performance EIO hard disk, expandable to 512 MB through 2 DDR DIMM slots using Double Data Rate memory technology
Print quality	Best: FastRes 1200 (1200 dpi quality), draft: up to 600 x 600 dpi
Printer languages	HP PCL 5e, HP PCL 6, HP Postscript Level 3 emulation, PDF v 1.3 emulation, XHTML-Print v 0.95, HP PJL (Printer Job Language), PML (Printer Management Language)
Economical printing	Economode, duplex and N-up printing
Typefaces/fonts	80 scalable TrueType fonts
Duty cycle	Up to 300,000 pages per month
Print margins	A4 and A3: top: 1 mm, left: 1 mm, right: 1 mm, bottom, 1 mm

Media handling

Input	Capacity	Weight	Size
Tray 1	100 sheet	64 to 216 g/m²	A4, B4, B5, A3, A5, custom: 99 x 191 to 297 x 432mm
Tray 2/3	500 sheet	64 to 199 g/m²	A4, B4, B5, A3, A5, custom: 148 x 210 to 297 x 432mm
Duplex Unit	–	64 to 199 g/m²	–

Output: Sheets: up to 600, envelopes: up to 60 (top and side bins), transparencies: up to 100 (top and side bins)
Duplex printing: HP LaserJet 9050/n printer: Automatic (optional with purchase of an automatic duplex unit), HP LaserJet 9050dn printer: Automatic (standard)

Interface and connectivity	**Standard:** HP LaserJet 9050 printer: IEEE 1284-B compliant parallel port, 2 open EIO slots, HP LaserJet 9050n/dn printer: IEEE 1284-B compliant parallel port, HP Jetdirect Fast Ethernet internal print server, 2 open EIO slots **Optional:** HP Jetdirect internal print servers, external print servers, connectivity card for USB/serial/LocalTalk, and wireless connectivity. Optional HP Jetdirect 625n EIO internal print server; HP Jetdirect 620n Fast Ethernet EIO internal print server; HP Jetdirect 680n 802.11b wireless EIO internal print server; HP Jetdirect EIO Connectivity Card; HP Jetdirect 300x external print server (parallel port); HP Jetdirect 500x external print server (3 parallel ports); HP bt1300 Bluetooth wireless printer adapter (for USB 1.1 or parallel)
Operating systems compatibility	**Standard:** Microsoft® Windows® 98, Me, NT, 2000, XP, Server 2003, Macintosh OS 9, OS 10 **Optional:** Printer driver support for the following OS provided via Internet: UNIX®, Linux, OS/2 Current drivers and software are available from the Internet. Depending on the configuration of Microsoft Windows driven computers, the installation program for the printer software automatically checks the computer for Internet access to obtain the latest software.
Network operating systems compatibility	**Standard:** Microsoft® Windows® 98, Me, NT 4.0, 2000, XP, XP 64-Bit, Server 2003; Novell™ NetWare 3.2, 4.2, 5.x, 6.x; Apple Mac OS 8.6 and later; Red Hat Linux 6.x and later; SuSE Linux 6.x and later; HP-UX 10.20, 11.x; Solaris™ 2.5x, 2.6, 7, 8, 9, 10 (SPARC systems only); IBM® AIX 3.2.5 and later; MPE-iX **Optional:** OS/2, UNIX, Linux; basic printing support for DOS. Current software and drivers are available from the Internet.
Minimum system requirements	Microsoft® Windows® 95 (basic functions only), 98: Pentium® 90 with 16 MB RAM; Windows Me: Pentium 150 with 32 MB RAM; Windows NT® 4.0: Pentium 90 with 32 MB RAM; Windows 2000: 300 MHz Processor with 64 MB RAM; Windows XP: 233 MHz Processor with 64 MB RAM; 180 MB free hard disk space for Windows, 160 MB for Mac; Mac OS 8.6, 9.0, 9.04, 9.1, 9.2, 10.1; CD-ROM drive or Internet connection; dedicated IEEE 1284 parallel port
Standard software	Print drivers and installation software on CD-ROM (HP PCL 5e, HP PCL 6, HP Postscript Level 3 emulation)
Control panel	3 light-emitting diode (LED) indicator lights, 4 navigation buttons, dedicated Help button, dedicated Menu button, 10-key numeric pad, 4-line display, dedicated Stop button
Power requirements	110 to 127 VAC (± 10%), 50/60 Hz (± 2 Hz); 220 to 240 VAC (± 10%), 50/60 Hz (± 2 Hz). Internal
Power consumption	Printing: 1000 watts HP LaserJet 9050: Off: 0.7 watts, Powersave: 18 watts, Standby: 197 watts HP LaserJet 9050n/dn: Off: 0.3 watts, Powersave: 36 watts, Standby: 205 watts Values current as of April 12, 2004. Power reported is the highest values measured using all standard voltages. See www.hp.com/support/lj9050 for current information.
Dimensions (w x d x h)	Out of package: 638 x 600 x 633 mm; packaged: 911.9 x 789.9 x 721.4 mm
Weight (out of package/packaged)	HP LaserJet 9050 printer: 63.5 kg/79 kg, HP LaserJet 9050n printer: 69.4 kg/83.1 kg, HP LaserJet 9050dn printer: 76.2 kg/89.8 kg
Printer management	HP Web Jetadmin
Operating environment	Environmental ranges: operating temperature: 10 to 32.5° C, recommended operating temperature: 10 to 32.5° C, operating humidity: 10 to 80% RH, recommended operating humidity: 10 to 80% RH, storage temperature: 0 to 40° C, storage humidity: 10 to 90% RH. Noise level per ISO 9296: sound power: LwAd 7.2 B(A) (printing A4 simplex from Tray 3 at 50 ppm), sound pressure: LpAm Active (bystander): 56 dB(A), standby (bystander): 40 d(B)A
Certifications	Safety certifications: Argentina (TUV S Mark-Rs.92/98/Ds.1009/98), Australia (AS/NZ 3260), Canada (cUL-CAN/CSA C22.2 No.60950-00), China (GB4943), Czech Republic (CSN-IEC 60950-IEC 60825-1), Estonia (EEI-EN60950-IEC 60825-1), EU (CE Mark-Low Voltage Directive 73/23/EEC), Germany (TUV- EN60950-IEC 60825-1), Hungary (MEEI- IEC 60950-IEC 60825-1), Japan Radio Law, Lithuania (LS- IEC 60950-IEC 60825-1), Mexico (NOM NYCE-NOM 019 SCFI), Poland (B Mark- IEC 60950-IEC60825-1), (Russia (GOST- R50377), Slovakia (IEC 60950-IEC60825-1), Slovenia (SQI- IEC 60950-EN60825-1), South Africa (IEC 60950-IEC60825-1), USA (UL-UL 60950, FDA-21 CFR Chapter 1 Subchapter J for lasers); Class 1 laser/LED product EMC certifications: CISPR 22: 1997/EN 55022: 1998 Class B, EN 61000-3-2: 2000, EN 61000-3-3: 1995, EN 55024: 1998, FCC Title 47 CFR, Part 15 Class B/ICES-003, Issue 4/GB9254-1998, GB17625-1-2003, EMC Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC, and carries the CE-Marking accordingly. Energy Star®
Warranty	One-year next-day on-site warranty

Ordering information

Q3721A	HP LaserJet 9050 printer, power cord, parallel cable, print cartridge, printer documentation, printer software CD-ROM, control panel overlay, face-up output bin, 2 x 500-sheet input trays
Q3722A	HP LaserJet 9050n printer, same as Q3721A, plus: HP Jetdirect Fast Ethernet embedded print server and 100-sheet multipurpose tray
Q3723A	HP LaserJet 9050dn printer, same as Q3722A, plus: automatic duplex unit

Supplies

C8543X	HP LaserJet smart print cartridge (30,000 pages)
C9152A	HP 110-volt User Maintenance Kit
C9153A	HP 220-volt User Maintenance Kit

Memory

J6073A	HP EIO hard disk, 20 GB
Q3982A	HP 32 MB 100-pin DDRAM DIMM
Q2625A	HP 64 MB 100-pin DDRAM DIMM
Q2626A	HP 128 MB 100-pin DDRAM DIMM
Q2627A	HP 256 MB 100-pin DDRAM DIMM
Q2628A	HP 512 MB 100-pin DDRAM DIMM

Paper handling

C8531A	HP 2000-sheet Optional Input Tray
C8568A	HP Multipurpose Tray
C8084A	HP Output Stacker
C8085A	HP Output Stacker/Stacker
C8091A	HP Staple Cartridge
C8532A	HP Automatic Duplex Unit
Q5693A	HP 8-bin mailbox
C8088B	HP Multifunction Finisher

Connectivity

J7934A	HP Jetdirect 620n Fast Ethernet print server
J7960A	HP Jetdirect 625n Fast Ethernet print server (available Nov. 04)
J6058A	HP Jetdirect 680n 802.11b internal wireless print server
J3263A	HP Jetdirect 300x Ethernet/Fast Ethernet
J3265A	HP Jetdirect 500x Ethernet/Fast Ethernet
J4135A	HP Jetdirect Connectivity Card: USB, serial, and LocalTalk

Service & support

H7694A/E	Next business day on-site response, 3 years
H7599A/E	Next business day on-site response, 1.8 million pages, 3 years
H7696A/E	On-site response within 4 hours, 3 years
H7603A/E	On-site response within 4 hours, 1.8 million pages, 3 years

http://www.hp.com

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