



productivity



savings

data sheet



hp LaserJet 4100mfp

intelligent multifunction network printer

The HP LaserJet 4100mfp is an intelligent network appliance that streamlines day-to-day business operations by bridging the gap between paper-locked and digitally-enabled communications. Now you can print, copy, color scan, and digital send with a single device—without sacrificing a large amount of valuable office space.

improved productivity

- increase your ability to multi-task—offers workgroups reliable, efficient printing, walk-up copying, color scanning, and digital sending in a wide variety of operating systems including Windows®, Macintosh® and Linux®
- fast accurate communications and enhanced productivity—automated integration of paper-based documents into key business processes through send-to-e-mail, color scanning, and digital sending capabilities; optional services enable sending to Internet fax servers, network folders and desktop applications
- less user intervention—150,000 pages-per-month duty cycle, standard 600-sheet input capacity (upgradeable to 1,600 sheets), 30-sheet automatic document feeder (ADF), and optional automatic duplexing accessory support high usage without high maintenance

hp LaserJet compatibility, simplicity and reliability

- benefit from proven hp LaserJet technology—realize printing and copying speeds as fast as 25 pages per minute due to a 250 MHz processor, 64 MB RAM, and 5 GB hard disk, plus up to 1200 dpi laser output and 600 ppi color scanning
- intuitive control panel—configure mfp, monitor status, copy, scan, and send-to-e-mail from the easy-to-use, keyboard and numeric keypad control panel
- best-in-class networking—hp jetdirect 615n print server connects the mfp to a 10/100Base-TX network on almost any network operating system and provides data throughput of up to 4.5 MB per second with remote management and proactive alerts and your choice of Internet, LAN, and wireless connections
- designed to seamlessly print your existing hp LaserJet 4000/4050/4100 series jobs

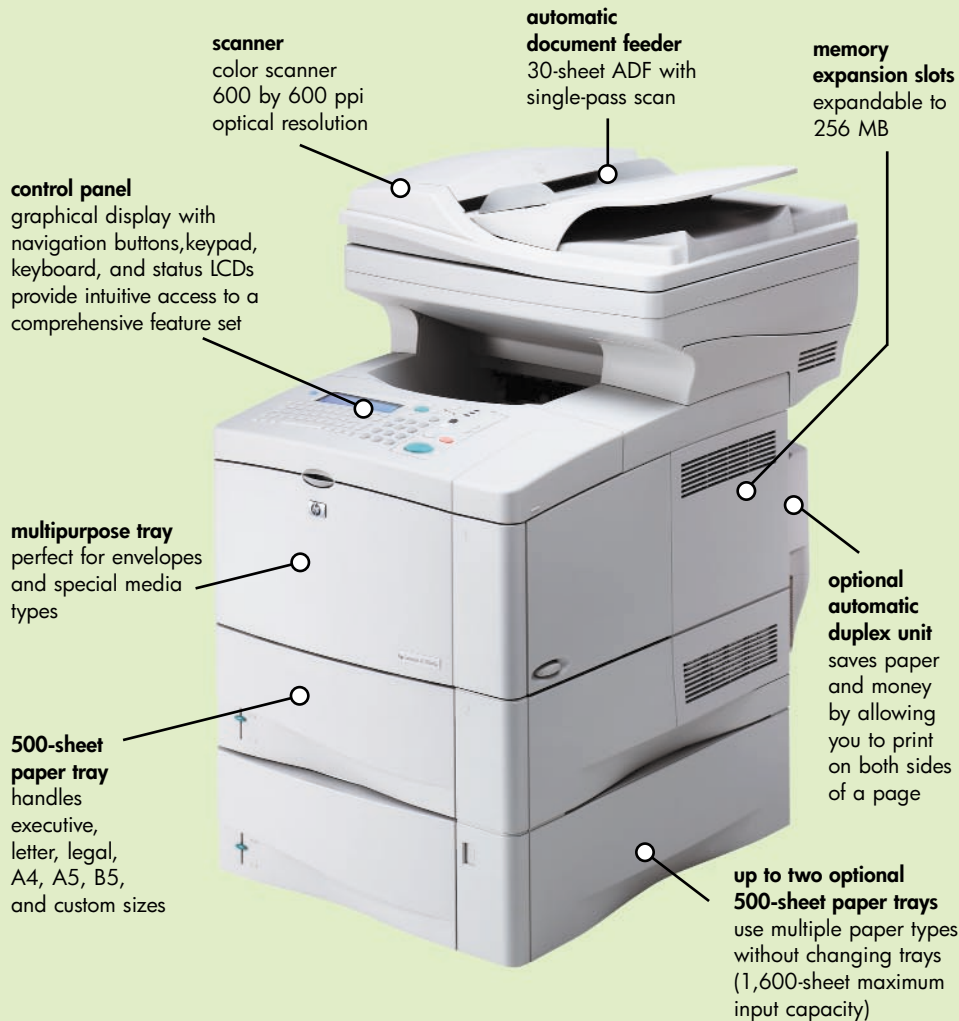
Internet-enabled

- managing your network has never been easier—hp web jetadmin, embedded web server, embedded virtual machine, and other analysis systems put you in control
- remote printer management and configuration options—reduce the time spent discovering and resolving printing issues with e-mail alerts that inform network managers and/or users of problems when they happen from any Internet-connected PC through Netscape and Microsoft® browsers
- smart printing system—the hp smart supplies system automatically manages the level and usage of installed supplies, provides notification of supplies status, and connects to convenient links for online supplies ordering

HP—your trusted partner—helping you to achieve cost and productivity leadership by effectively bridging hardcopy and digital solutions to solve your business problems.

hp LaserJet 4100mfp

Internet-enabled network appliance that improves day-to-day communication within dynamic business workgroups



internal features

- 150,000 page-per-month duty cycle handles your business printing needs
- embedded Web server provides remote device management updates and e-mail alerts
- true 1200 dpi produces highest quality documents at full engine speed
- 250 MHz processor quickly processes large files
- hp EIO disk drive enables multi-tasking, scan-once—print-many, transmit-once—print-many, the storing of fonts, forms and signatures, and print job retention
- hp jetdirect 615n internal print server connects printers to your network anywhere in the office and enables remote printer management through hp web jetadmin and embedded web server (EWS)
- smart print cartridge works with the printer and software to monitor toner and provide optimum output every time

accessories

- up to two additional 500-sheet input paper trays
 - handles big jobs with less user intervention
- automatic duplex unit
 - saves money with less paper usage and fewer pages to store
- 75-envelope power feeder
 - mail programs can automatically print
- additional memory DIMMs/font DIMMs
 - expands to meet your growing business needs
- fast infrared (IR) receiver
 - allows walk-up printing accessibility
- hp mfp digital sending software v3.0
 - fast accurate communications that are less expensive and more secure than analog fax or courier
 - secure access (NT/Novell Authentication)
 - communications (faxing: LAN, internet, Windows 2000, XP and NT/Novell Authentication)
 - NSI AutoStore 2002 (send-to-file and application)
- alternate hp jetdirect print servers
 - award-winning hp wired or wireless networking that fits virtually any network environment
- maintenance, service, and support packs
 - hp keeps you up and running and supports your productivity
- hp mfp analog fax option
 - attaches to printer and parallel port and integrates into printer's digital sending menus

a fully integrated solution for dynamic business workgroups

effectively replaces separate devices that print, copy, color scan, and digital send

return on investment

HP multifunction products are 20–40% less expensive than the combined costs of single-function products plus they require 40–50% less floor space than the full complement of single function products. And the cost savings don't stop there—the LaserJet 4100mfp simplifies your office environment by allowing you to manage, support, and service fewer devices while reducing your outsourcing costs by bringing document production in house. Now you can print, copy, scan, fax, and digitally send documents at one reliable device.

print

The HP LaserJet 4100mfp offers high-quality, monochrome, network laser printing. It delivers the highest value for the lowest cost in its class—with speed, high-paper capacity, compatibility with your wired or wireless network environment, and the proven reliability of an HP LaserJet. For users who need to print while on the go, the HP Mobile Printing Driver, a free software download at <http://www.hp.com/go/mobileprintingdriver>, makes printing from your laptop as easy and convenient as traditional desktop printing. With only a few simple steps, users can connect to nearby printers within their company intranet and enjoy full-featured, high quality printing.

copy

With a 30-sheet automatic document feeder, a copy speed of 25 pages per minute (letter), and color scanning with electronic collation, walk-up copying of documents on the HP LaserJet 4100mfp is simple and fast.

digital send

Leverage the power of the Internet with the digital sending features of the HP LaserJet 4100mfp. Convert paper documents to PDF, JPEG, and TIFF e-mail attachments and send to any e-mail address in the world in a few easy steps. Optional digital sending software enables additional functionality such as user authentication and send to LAN and Internet fax servers, network folders and workflow applications. Once you discover the benefits of digital sending, you may never use an analog fax again.

smart components

The HP smart print supplies system is activated every time you put an HP smart print cartridge into your HP LaserJet 4100mfp. Each HP smart print cartridge features its own smart chip. This chip helps measure and report toner levels and provides usage information. The HP smart print cartridge, mfp, and software are designed to work together—allowing you to monitor your current supplies, order new supplies, and print successfully every time.

automatic e-mail alerts

The HP LaserJet 4100mfp can be programmed to send preconfigured notifications of device problems via e-mail to designated recipients on the network. For example, the mfp can send a supplies alert, permitting a new smart cartridge to be acquired in a timely manner to prevent unnecessary downtime. Or the e-mail notice can provide a hot link for ordering supplies via the Internet.

management

The HP LaserJet 4100mfp incorporates sophisticated hardware and software features to make device management scalable to meet your business needs—from a critical single device to your complete network of connected peripherals:

- hp embedded web server provides direct access to the hp LaserJet 4100mfp 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

installation and support options

The HP Installation Packages give you worry-free, turnkey solutions for your printing needs, guaranteed to help you get the most out of your printer.

installation package (U2009E):

- delivery to your work site
- un-boxing and installation of consumables and paper
- installation of paper handling accessories

installation and network configuration package (U2010E):
the complete installation package plus—

- installation of the printer driver
- configuration on your network
- setup and configuration of the digital sending capabilities
- setup and configuration of proactive alerts functionality

both packages also include an orientation to printer features:

- control panel settings
- copying capabilities
- digital sending functions
- proactive alerts

hp Laserjet 4100mfp features:

- print/copy/color scan/embedded send-to-e-mail
- 25 pages per minute (letter)
- 100- and 500-sheet input paper trays
- 30-sheet automatic document feeder (ADF)
- hp jetdirect 615n Fast Ethernet internal print server
- 64 MB RAM/5 GB EIO hard disk drive
- integrated unit with single control panel

hp Laserjet 4101mfp features:

- everything on the hp LaserJet 4100mfp, plus:
 - additional 500-sheet input paper tray
 - automatic duplex unit
 - hp mfp analog fax accessory

technical specifications

hp LaserJet 4100mfp

print

25 pages per minute (letter)
12-second first page out
250 MHz processor
HP Transmit Once for reduced network traffic
HP ProRes 1200 (1200 by 1200 dpi at engine speed)
HP FastRes 1200* (1200 dpi quality)
Resolution Enhancement technology (REt)
PCL 5e, PCL 6, PostScript® Level 3 emulation print drivers
Embedded virtual machine application support
*Default setting

copy

25 copies per minute (letter)
600 by 600 ppi optical resolution color scanner
12-second first page out
30-sheet automatic document feeder (ADF)
Single-pass scanning with electronic collation
Scan ahead and interrupt capability for multi-tasking
Reduce/enlarge (with page size presets)
Image quality enhancements
Duplex capabilities
Multiple pages on a single sheet

digital send

Embedded send-to-e-mail out of the box
Color and mono scanning
Keyboard and numeric keypad
Send and print job overlap
HP mfp digital sending software available:
Secure Access (NT/Novell Authentication)
Communications (Internet, Windows 2000, LANFax and NT/Novell Authentication)

management

Remotely through HP Embedded Web Server or HP Web Jetadmin
At device through control panel

control panel

Graphical display with navigation buttons
Three device status LEDs
Buttons: start, stop, reset, cancel, help, light/dark, zoom, menu
Indicators: ready, data, attention
Numeric keypad
Keyboard for text entry

paper handling

Up to four input sources, 1,600-sheet maximum capacity
Tray one standard: 100-sheet multipurpose tray
Tray two standard: 500-sheet input tray
300-sheet standard output capacity (250-sheet top, 50-sheet rear); straight-through paper path
30-sheet ADF supports all standard and custom media sizes from 5.8 by 8.2 inches to 8.5 by 14 inches (147 by 208 mm to 216 by 356 mm)
Optional automatic duplex unit for two-sided output
Optional 500-sheet feeder supporting all standard and custom sizes from 5.8 by 8.2 inches to 8.5 by 14 inches (147 by 208 mm to 216 by 356 mm)
Optional 75-envelope power feeder handles 20 to 28 lb (75 to 105 g/m²) envelopes
Paper level indicators
Scanner glass supports any media up to 8.5 by 11.7 inches (216 by 297 mm)
HP Jetassist connector for easy installation of paper handling accessories
HP LaserJet 4100mfp:
Tray one: for automatic and manual feeding of envelopes, labels, transparencies and other special media; 3 by 5 inches to 8.5 by 14 inches (76 by 127 mm to 216 by 356 mm)
Tray two: for all standard and custom media sizes from 5.8 by 8.2 inches to 8.5 by 14 inches (147 by 208 mm to 216 by 356 mm)

media types and weights

Copier, bond, special application and recycled media; transparencies and labels designed for laser printers
ADF: 16 to 36 lb (60 to 135 g/m²)
Tray one: 16 to 53 lb (60 to 199 g/m²); 20 to 28 lb (75 to 105 g/m²) envelopes
500-sheet trays and auto-duplex unit: 16 to 28 lb (60 to 105 g/m²)

font capabilities

110 scalable TrueType fonts (80 built-in), 30 via HP Fontsmart; all PCL and PostScript accessible
Intellifont and built-in TrueType rasterizers

connectivity

Bi-directional IEEE 1284-compliant parallel interface
HP Jetdirect 615n (EIO) internal print server for Ethernet/Fast Ethernet (10/100Base-TX) (up to 4.5 MB/s throughput)
HP fast infrared port and receiver (optional)
Automatic switching between languages and ports
HP Web Jetadmin requires installation on one of the following network servers:
Microsoft Windows NT, 2000, HP-UX, Solaris® or Linux

network operating systems (via hp jetdirect print servers)

Compatible network operating systems
Microsoft Windows 95, 98, Me, NT 4.0, 2000 and XP; Novell NetWare 3.2, 4.2, 5.x and 6; Apple Mac® OS 8.6 and later; Red Hat Linux® 6.x and 7.x; SuSE Linux 6.x; HP-UX 10.20 and 11.x; Solaris 2.5x, 2.6, 7, 8 (SPARC systems only); IBM AIX 3.2.5 and later; MPE-iX; Artisoft LANtastic
Compatible network protocols
TCP/IP; IPX/SPX; AppleTalk®; DLC/LLC; IP Direct Mode; LPD; FTP Printing; IPP; NDS; Bindery; NCP; NDPS; iPrint; Telnet; SLP; IGMP; BOOTP/DHCP; WINS; SNMP; HTTP;
*AppleTalk is not supported on Token Ring print servers

system requirements

Compatible with Microsoft Windows 3.1x, 95, 98, Me, NT 4.0, 2000, XP, HP-UX, Solaris, SunOS, IBM, OS/2 Warp, Mac OS 7.53 (or later) and MS-DOS

environmental ranges

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

power requirements

Source: 100 to 127 volts (±10%) or 220 to 240 volts (±10%)
Frequency: 50 or 60 Hz (±2 Hz)

power consumption

Printing (continuous): 495 watts (110) 476 watts (220)
Copying (continuous): 521 watts (110) 486 watts (220)
Standby: 41 watts (110) 43 watts (220)
Powersave: 40 watts (110) 41 watts (220)

product certification

UL and cUL listed to UL 1950/CSA 950; complies with IEC 950/EN 60950; meets Class A limits for FCC Part 15 and CISPR 22; product CDRH-certified Class 1 Laser Product (safe for office/EDP use)

ordering information

number description

C9148A HP LaserJet 4100mfp
C9149A HP LaserJet 4101mfp

service and support

H7668A/E HP Supportpack—3-year, next-day onsite
H7686A/E HP Supportpack—3-year, same-day onsite
H7687A/E HP Supportpack—3-year, 24x7 onsite
U2009E Installation service
U2010E Installation and network configuration service
C8057A Preventative maintenance kit 110v
C8058A Preventative maintenance kit 220v

supplies and accessories

T1929AA HP Digital Sending Software 3.0—Secure Access
Option 0AD HP Digital Sending Software 3.0—Secure Access (1–5 user license)
Option 0A9 HP Digital Sending Software 3.0—Secure Access (6–10 user license)
Option 0AA HP Digital Sending Software 3.0—Secure Access (11–50 user license)
T1930AA HP Digital Sending Software 3.0—Communications (includes Secure Access T1929AA)
Option 0AD HP Digital Sending Software 3.0—Communications (1–5 user license)
Option 0A9 HP Digital Sending Software 3.0—Communications (6–10 user license)
Option 0AA HP Digital Sending Software 3.0—Communications (11–50 user license)
NOB1296A AutoStore 2002 license pack
NOB8535A AutoStore 2002 1 LTU
NOB7863A ABMSync—Microsoft Exchange Release
NOB8533A ABMSync—Lotus Notes Release
Q1314A HP mfp analog fax accessory
C8061X 10,000-page smart print cartridge
C8061A 6,000-page smart print cartridge

paper handling

C8053B 75-envelope power feeder
C8054A Automatic duplex unit
C8055A 500-sheet paper feeder
C8056A 500-sheet universal tray

media

C4179A HP LaserJet soft gloss paper, 200 sheets, letter
92296THP HP LaserJet monochrome transparency, 50 sheets, letter
HPJ1124 HP LaserJet paper, 500 sheets, letter
HPM1120 HP multipurpose paper, 500 sheets, letter
HPU1132 HP premium choice LaserJet paper, 500 sheets, letter
Q1298A HP LaserJet tough paper, 50 sheets, letter
Q2413A HP premium cover paper

memory

C7842A 8 MB SDRAM DIMM
C7843A 16 MB SDRAM DIMM
C7845A 32 MB SDRAM DIMM
Q1887A 64 MB SDRAM DIMM
C9121A 128 MB SDRAM DIMM

interface and cables

C2951A Parallel (25-pin male to 36-pin female) 3m/10 ft cable for HP Vectra, IBM PC/AT and compatibles
92215S Macintosh® serial cable
92215N Macintosh network
C4103A Fast InfraRed (IR) receiver

hp jetdirect internal print servers

J3110A HP Jetdirect 600n internal print server, Ethernet (10Base-T)
J3111A HP Jetdirect 600n internal print server, Ethernet (10Base-T), 10Base2 and LocalTalk
J4167A HP Jetdirect 610n internal print server, Token Ring
J6057A HP Jetdirect 615n internal print server, Ethernet/Fast Ethernet (10/100Base-TX)
J6058A HP Jetdirect 680n internal print server, 802.11b wireless

acoustics

Operating position: LpAm = 58 dB (A) printing, LpAm = 61 dB (A) copying,
LpAm = 39 dB (A) idle/Powersave
Bystander position: LpAm = 52 dB (A) printing, LpAm = 54 dB (A) copying,
LpAm = 36 dB (A) idle/Powersave
Sound power: LwAd = 6.6 Bels (A) printing, LwAd = 6.9 Bels (A) copying,
LwAd = 5.1 Bels (A) idle/Powersave
Tests per ISO 9296 (ISO 7779)

dimensions (w by d by h)

4100mfp: 16.4 by 21.25 by 21 in (415 by 540 by 533 mm)
4101mfp: 16.4 by 21.25 by 26 in (415 by 540 by 660 mm)

weight

4100mfp: 55 lb (25 kg)
4101mfp: 70 lb (31.7 kg)

warranty

One-year next-day onsite

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