hp LaserJet 4100 series

product datasheet

hp LaserJet 4100 series workgroup printers deliver the highest value in their class, with more speed, more capacity and new 'intelligent' e-enabled printer-management features.

Replacing the hp LaserJet 4050 series, hp LaserJet 4100 series come with enhanced performance and industry-leading reliability.

high performance
- super fast printing at 24ppm A4 print
- 250MHz processor ensures quicker return to application
- complex documents print faster with 16MB/32MB memory
- 12 second first page out
- HP Pro-Res & FastRes 1200 dpi print quality at full speed
- dynamic RIP-once for faster processing of multiple original prints
- duty cycle of 150,000 pages/month

ease of use
- HP Web Jetadmin enables simple installation, configuration and management from a common web browser
- toner level sensor and catridge user data minimise printer downtime by taking the guess work out of supplies ordering management
- simple, intuitive 2 line backlit LCD display and expanded control panel leads to faster problem resolution
- versatile paper handling with paper size sensors that detects paper changing
- fast IR receiver accessory for mobile users to print via handheld devices

expandability
- easy to add memory upgrades up to 128MB DIMMS
- two EIO interface slots for multiple network environments
- hp EIO disk drive accessory for storing of fonts, forms or walk up printing features
- duplexer and additional paper feeders allows printer scale to meet increasing demands
- hp jetdirect internal print servers with wide choice of interface cards for connectivity for varied network typographies

intelligence
- job retention ability allows print jobs to be stored on the printer so that users can walk up and print with the control panel
- proof and hold – print one copy for proofing and hold the remaining copies until released from the printer's control panel by user
- private printing – print job will only be released when user key in the 4 digit pin from the control panel
- quick copy – make multiple copies of last print job from control panel
- stored jobs – fax covers, time sheets, calendars and other shared documents to be stored electronically at the printer eliminates the need for preprinting

the improved industry standard for workgroup printing

hp LaserJet 4100dtn shown

control panel
two-line backlit LCD display provides
simple step-by-step problem resolution

multipurpose tray
perfect for envelopes
and special
media types

**500-sheet
paper tray**
handles letter,
legal, A4, A5,
executive

**additional 500-sheet
paper tray for hp LaserJet 4100dtn**
use multiple paper types without changing trays
(1100-sheet input capacity)

**duplex printing
accessory**
saves paper and
money by allowing
you to print on
both sides of a
page and handle
booklet printing

embedded web server
allows e-mail alerts and sends users remote
printer management updates

150,000 page-per-month duty cycle
handles your business printing needs

smart cartridge with e-label chip
works with the printer and software to monitor
toner and print optimum output every time

true 1200 dpi quality
produces highest quality documents at full
engine speed

fast 24 page-per-minute print speed
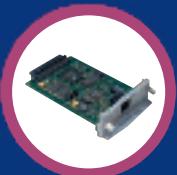12 seconds first page out reduces waiting

250 MHz processor
quickly processes large files

EIO disk drive
enables the storing of fonts, forms, or use of
walk-up printing features

memory expansion slots
expandable to 256 MB

hp jetdirect 610n internal print server
connects printers to your network
anywhere in the office and enables printer
management through hp web jetadmin

hp fast IR receiver
allows mobile users wireless walk-up printing
from PDAs, laptops, palmtops, handheld
scanners, even digital cameras

stackable 500-sheet paper tray
brings total paper handling capacity to a
maximum of 1600 sheets

user friendly

job retention

Innovative services through storing print jobs in the printer.

- quick copy: lets the user make additional copies of the last print job without walking back to the PC
- proof and hold: allows the user to send a multiple-copy print job to the printer, print one copy for proofing, and hold the remaining copies until released (or cancelled) from the printer's control panel
- private printing: printer holds confidential print job until released by the user at the control panel with a 4-digit pin number
- stored jobs: allows the printer to be used as an electronic storage medium for fax cover sheets, time sheets, checks, calendars, or other shared documents. Documents that have traditionally been pre-printed can now be stored in the printer and printed on demand

stackable 500 sheet feeder

The new stackable 500 sheet feeder is an enhancement of the 500 sheet feeding accessories designed to meet demanding corporate environments. This new feeder allows two devices to be added to the hp LaserJet 4100 instead of one, increasing maximum input capacity up to 1600 sheets.

web enabled supplies ordering

Users will be alerted when the printer supplies are low either through the printer's embedded web server or the printer driver. The user is transferred to the web to order the supplies when they click the order supplies button after receiving the alert.

This feature minimise downtime and provides just-in-time supplies with no inventories required.

hp LaserJet 4100 series build on one of the most celebrated and highly awarded printers of all time

award winning traditions for the hp LaserJet 4000 Series

'For anyone needing a workgroup printer, the potent combination of speed and quality should make this LaserJet the first to look at.'
BYTE, 2/98

'This workhorse laser printer with good speed and detailed output is a winner in its price category.'
Windows Magazine, 4/98

'Fast text and graphics speeds, outstanding text quality and extensive features keep it at the top…'
PC World, 9/98

'There is no doubt that the HP LaserJet 4000 models do deliver excellent image quality – you really cannot get better in this market.'
Better Buys for Business, 1/98

intelligent printing

hp LaserJet 4100 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 4100 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 4100 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.

selecting the right hp LaserJet 4100 printer

hp LaserJet 4100 (base unit)
- 24 ppm
- 16 MB memory
- 600-sheet input capacity

hp LaserJet 4100n
- base unit plus:
- 16 MB memory (32 MB total)
- 10/100 Base-TX internal print server

hp LaserJet 4100tn
- base unit plus:
- 16 MB memory (32 MB total)
- 10/100 Base-TX internal print server
- 500-sheet paper tray (1100-sheet input capacity)

hp LaserJet 4100dtn
- base unit plus:
- 16 MB memory (32 MB total)
- 10/100 Base-TX internal print server
- 500-sheet paper tray (1100-sheet input capacity)
- duplex printing accessory

technical specifications

duty cycle
- 150,000 pages per month

speed & throughput
- 24 ppm (A4)
- 250 MHz RISC microprocessor
- Instant-on fuser provides first page out in less than 12 seconds from warm or cold start
- HP Transmit Once for reduced network traffic
- Maser (RIP once) in RAM enables mopying (multiple original prints - 16 MB minimum)

resolution
- 600 dpi
- HP FastRes 1200** (1200 dpi like quality at 25 ppm)
- HP ProRes 1200 (1200x1200 dpi at 25 ppm)
- Economode with good print quality and 50% savings over regular dpi selections

** - Default setting

paper handling
All hp LaserJet 4100 series Printers:
- Up to four input bins with a total capacity of 1,600 sheets
- Standard input capacity of 600 sheets (100 sheet multipurpose tray, 500 sheet standard input tray)
- Standard output capacity of 300 sheets (250 sheets face-down and 50 sheets face-up) with output full sensor
- Straight-through paper path
- HP JetAssist connector for easy installation of paper handling accessories
- Paper level indicators
- Optional 500-sheet feeders supporting all sizes from A5 to legal and custom sizes
- Optional auto-duplex unit for two-sided printing (Note: standard in HP LaserJet 4100 DTN)
- Optional 75-envelope power feeder

hp LaserJet 4100 and 4100n printers:
- Tray 1 is a 100 sheet/10 envelope multipurpose tray for automatic and manual feeding of envelopes, labels, transparencies and other special media, 3x5 inches to legal size
- Tray 2 is a 500 sheet input tray for letter, A4, executive, A5, B5, legal, and custom sizes

hp LaserJet 4100tn and 4100dtn printers:
- Tray 1 is a 100 sheet/10 envelope multipurpose tray for automatic and manual feedng of envelopes, labels, transparencies and other special media, 3x5 inches to legal size
- Trays 2 and 3 are 500 sheet input trays for letter, A4, executive, A5, B5, legal, and custom sizes

media sizes
- A4: 210 x 297 mm (8.27 x11.7 in) size, 206 x 293 mm (8.1 x 11.53 in) printable area
- A5: 148 x 210 mm (5.8 x 8.27 in) size, 144 x 206 mm (5.66 x 8.1 in) printable area
- Letter: 216 x 279 mm (8.5 x 11 in) size, 212 x 275 mm (8.33 x 10.83 in) printable area
- Legal: 216 x 356 mm (8.5 x 14 in) size, 212x 351 mm (8.33 x 13.83 in) printable area
- Executive: 184 x 267 mm (7.25 x 10.5 in) size, 171 x 258 mm (7.08 x 10.33 in) printable area
- Executive JIS
- Minimum size: 76 x 127 mm (3 x 5 in)
- Maximum size: 216 x 356 mm (8.5 x 14 in)

envelope sizes
- #10 Regular: 241 x 105 mm (9.5 x 4.1 in) size, 237 x 100 mm (.33 x 3.95 in) printable area
- Monarch: 191 x 98 mm (7.5 x 3.9 in) size, 186 x 94 mm (7.33 x 3.7 in) printable area
- DL: 220 x 110 mm (8.66 x 4.33 in) size, 216 x 106 mm (8.5 x 4.17 in) printable area
- C5: 229 x 162 mm (9.02 x 6.38 in) size, 225 x 158 mm (8.85 x 6.22 in) printable area
- B5: 250 x 176 mm (9.84 x 6.93 in) size, 246 x 172 mm (9.68 x 6.76 in) printable area

media types
- Copier, bond, special application and recycled papers (overhead transparencies and labels designed for laser printers use Tray 1)
- Tray 1 handles 60 to 198 g/m2 (16 to 53 lb) stocks, and transparencies and labels designed for laser printers
- Tray 2 (and Tray 3 on HP LaserJet 4100TN and 4100DTN) handles 60 to 105 g/m2 (16 to 28 lb stock)
- Optional 500-shet tray (Tray 3/4) handles 60 to 105 g/m2 (16 to 28 lb) stock
- Optional envelope feeder and Tray 1 handle 75 to 105 g/m2 (20 to 28 lb) envelopes
- Optional auto-duplex unit (standard on LaserJet 4100DTN) handles 60 to 105 g/m2 (16 to 28 lb) stock

print orientation
- Portrait, landscape and reverse landscape
- Binding options: 2,4,9,16 pages per sheet
- Booklet printing with duplexor
- N-up printing

management
- Industry-leading plug and print solution for NT users that automates client installation
- HP Web JetAdmin printer management software for simple installation, configuration, and management from a common web browser
- Internet software disk replication utility for distributing custom drivers
- HP TonerGauge technology includes a toner gauge and a paper gauge to help maximise printer uptime by minimising the guesswork involved in supplies management
- Enhanced driver support of standard printer features for Microsoft Windows NT workstation 3.51/4.x, Windows 95, Windows 98, Windows 3.x, Macintosh, IBM OS/2 Warp, MS-DOS and UNIX (HP-UX, Solaris, SunOS)
- HP Internet Installer can automatically update any of the printer drivers in Windows 95, Windows 98 and Windows NT 4.x environments
- All printer software and driver utilities ship on one CD-ROM
- SNMP and industry standard printer MIB compliant for network management compatibility

job retention/convenience features (optional disk drive required)
- Private Printing and Proof-and-Hold capabilities provide security and convenience
- Print jobs can also be retained on the optional hard disk and printed later through Quick Copy and Stored Job functionality

network connectivity
hp LaserJet 4100 printers:
- Bidirectional IEEE 1284-compliant parallel interface
- Two open EIO expansion slots for optional HP JetDirect 610N (EIO) Internal Print Servers for Ethernet 10BaseT, 10Base2, 100BaseTX, LocalTalk and Token Ring networks
- Fast Infrared port for optional infrared receiver

hp LaserJet 4100n, 4100tn, and 4100dtn printers:
- HP JetDirect 610N (EIO) Internal Print Server for Ethernet 10/100 Base-TX Fast Ethernet network environments
- Fast Infrared port and receiver (optional)
- Bidirectional IEEE 1284-compliant parallel interface
- One open EIO expansion slot for optional HP and third-party accessories.
- HP JetSend enabled
- Automatic switching between languages and ports
- HP Web JetAdmin requires installation on one of the following network servers: Microsoft Windows NT, IBM OS/2 Warp, HP-UX or Solaris
- HP JetDirect 610N (EIO) Internal Print Servers support all major network operating systems and provide flash memory for future upgrades

printer languages
- HP PCL6
- HP PCL 5e
- PostScript 3 emulation
- Automatic language switching

control panel
- Intuitive operation and complete, easy to understand messaging
- Expanded Control Panel Help for context-based problem resolution
- Two-line backlit LCD display and three LEDs
- Buttons: Go, Cancel Job, Menu, Item, Value, Select
- Indicators: Ready, Data, Attention
- Control panel can be locked through software
- Messages can be displayed in 17 languages: Czech, Danish, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese (Katakana), Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, or Turkish

font capabilities
- 110 scalable TrueType fonts (80 built-in, 30 via HP FontSmart; all PCL and PostScript accessible
- HP FontSmart software for easy-to-use font management capabilities
- Intellifont and built-in TrueType rasterizers

environmental ranges
Temperature for printer and toner:
- Operating: 10degrees to 35 degrees C (50° to 91° F)
- Storage: 0 degrees to 35 degrees C (32° to 95° F)

Humidity:
- Operating: 20% to 80% RH
- Storage: 10% o 95% RH

Acoustics:
- Operating position: L<58dB (A) printing, L<32 dB (A) standby (per ISO 9296, DIN 45635, T.19)
- Bystander: 1m L<52 dB (A) printing, L<26 dB (A) standby (per ISO 9296, DIN 45635, T.19)
- Sound Power: 0 bels inaudible (A) Powersave LWAD, 6.6 bels (A) printing LWAD, 4.1 bels (A) standby (per ISO 9296, DIN 45635, T.19)

power requirements
- Source: 100 to 127 volts (+/- 10%), 50/60 Hz (+/-2Hz) or 220 to 240 volts (+/-10%) 50/60 Hz (+/-2Hz)
- Printers voltage ranges depend upon the country in which the printer is purchased
- Frequency: 50 or 60 Hz (+/- 2 Hz)

power consumption

hp LaserJet 4100 printers:
- Printing: 317 watts
- Standby: 21 watts
- Powersave: 16 watts (EPA Energy Star)

hp LaserJet 4100N, 4100TN, 4100DTN printers:
- Printing: 385 watts
- Standby: 26 watts
- Powersave: 19 watts (EPA Energy Star)

dimensions (H x W x D)

hp LaserJet 4100:
- 345 x 390 x 506 mm (13.5 x 15.4 x 19.9 in)

hp LaserJet 4100n:
- 345 x 390 x 506 mm (13.5 x 15.4 x 19.9 in)

hp LaserJet 4100tn:
- 465 x 390 x 506 mm (18.3 x 15.4 x 19.9 in)

hp LaserJet 4100dtn printer:
- 465 x 390 x 565 mm (15.2 x 15.4 x 22.2 in)

weight

hp LaserJet 4100 printer:
- 18 kg (39 lb)

hp LaserJet 4100n printer:
- 18 kg (39 lb)

hp LaserJet 4100tn printer:
- 25 kg (55 lb)

hp LaserJet 4100dtn printer:
- 28 kg (62 lb)

warranty

- 1-year return to HP/dealer
- Enhance/upgrade basic warranty with options that included 1-5 year return to HP or on-site warranties

futher 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/lj4100

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

hp customer information center

Australia	HP Online
	132347
	ACN 004 394 763
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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

ordering information

number	description
C8049A	HP LaserJet 4100
C8050A	HP LaserJet 4100N
C8051A	HP LaserJet 4100TN
C8052A	HP LaserJet 4100DTN
hp supportpack option[1]	
H5479A	Next business day, on-site response, 3 years
paper handling accessories	
C8053A	75-sheet envelope feeder
C8054A	Duplex assembly for two-sided printing
C8055A	500-sheet optional paper feeder (x, y adjustable)
C8056A	500-sheet universal replacement tray (x, y adjustable)
supplies and accessories	
C8061X	10,000 page toner cartridge
C8061A	6,000 page toner cartridge
C4103A	Fast InfraRed receiver
C8057A	Preventative Maintenance Kit 110v
C8058A	Preventative Maintenance Kit 220v
printer connectivity solutions	
J4135A	HP JetDirect Connectivity card for USB, Serial, and LocalTalk connections
other EIO accessories	
J6054A	HP EIO Disk Drive - 5 GB
interface and cables	
C2950A	2 m/7ft. IEEE A to B parallel cable
C2951A	parallel (25-pin male to 36-pin female) 3m/10ft cable for HP Vectra, IBM PC/AT & compatibles
C2932A	Serial (9-pin female to 9-pin male) 3m/10ft. cable for HP Vectra,
C2933A	Serial (9-pin female to 9-pin male) 3m/10ft. Cable for HP Vectra, IBM PC/AT & compatibles
C2809A	Serial (25-pin female to 9-pin male) cable adapter
92215S	Macintosh serial cable
92215N	Macintosh network
memory	
C4286A	2 MB Flash DIMM
C4287A	4 MB Flash DIMM
C7842A	8 MB SDRAM DIMM
C7843A	16 MB SDRAM DIMM
C7845A	32 MB SDRAM DIMM
C7846A	64 MB SDRAM DIMM
C9121A	128 MB SDRAM DIMM
hp jetdirect 600n/610n internal print servers	
J3110A	Ethernet (10Base-T)
J3111A	Ethernet (10Base-T, 10Base2) and LocalTalk
J4167A	Token Ring (available from June 01 onwards)
J4169A	Fast Ethernet (100Base-TX) and Ethernet (10Base-T) (included with HP LaserJet 4100N and 4100TN models)

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.**

hp customer care center

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New Zealand	+64 9 356 6640
Philippines	+63 2 867 3551
Singapore	+65 272 5300
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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

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