



**hp business inkjet 2230/2280 series**  
 2230 • 2280 • 2280tn  
 the network color printer of choice for  
 small workgroups

The HP Business Inkjet 2230/2280 series is designed for power users and small workgroups who need to print professional color documents quickly and cost-effectively. These robust printers deliver sharp, accurate printing for both desktop and networked environments.

**network/Internet ready**

- your workgroup’s business communications are more effective with color—vibrantly communicate your business’ competitive advantages, create professional-looking presentations and documents, all without expensive outsourcing
- simple networking—with an hp jetdirect Fast Ethernet EIO print server you can install the hp business inkjet 2230/2280 series onto your network as easily as any hp LaserJet printer
- remote management—embedded Web server allows you to manage this color printer from any standard Web browser, receive self-diagnostic e-services automatically and e-mail alerts when attention is required such as paper out or low ink

**cost-effective**

- reduce printing costs—four individual high-capacity ink cartridges (CMYK) let users change only the ones they need, contributing to a color cost per page of just 8.4\* cents (2.2\* cents black and white)
- minimize user intervention—10,000-page monthly duty cycle, individual high-capacity ink cartridges that print around 1,750 pages for each color and maximum input paper capacity of 500 sheets keeps your workgroup productive
- reduce wasted printing—individual cartridges feature smart chips to continuously monitor print head health, print quality, and ink supply

**performance**

- print large jobs efficiently—new “speed optimized normal” mode prints color up to 50 percent faster than “normal” mode with comparable print quality allowing speeds up to 14 pages-per-minute in fast mode
- fast printing of even the biggest graphic files—print processing powered by robust 96/167 MHz dual processors (96 MHz on 2230) and up to 48 MB of on-board printer memory; expandable up to 176 MB
- confidently produce quality, accurate documents—print any business document with complete accuracy and superior print quality through auto-switching of hp PCL5C and PostScript 3 emulation (optional on 2230)

\*Based on 5% average ink coverage for each color.

HP printing and imaging systems help you create powerful, professional communications easily. Printers, supplies, accessories, and services are designed together to work together and invented to meet your business needs.

# hp business inkjet 2230/2280 series

## hp business inkjet 2280tn shown

intuitive control features include LCD menu, job cancel and resume buttons, and ink level gauge

connect to PC or Mac® environments with hp jetdirect EIO networking, USB, and IEEE 1284 bi-directional parallel ports

robust hp jetdirect print server standard with hp business inkjet 2280tn

four individual high-capacity ink cartridges (CMYK)



single-sheet straight-through paper path handles specialty photo papers and card stock

500-sheet printing capacity with 250-sheet input tray and optional second 250-sheet paper tray (standard on 2280tn)

150-sheet output tray

embedded Web server

### high performance color printing solution for small workgroups

- high duty cycle—handles print volumes up to 10,000 pages per month
- cost—lower purchase price relative to comparable color laser printers, modular ink delivery system provides industry leading color cost per page
- networking—robust networking via hp jetdirect Fast Ethernet EIO print server (standard on 2280tn), e-services via embedded web server
- paper handling—250-sheet input tray standard, optional 250-sheet input tray (standard on 2280tn)

#### hp business inkjet 2230

high speed color for desktop users

- 16 MB RAM
- 96 MHz processor
- 250-sheet paper input tray

#### optional accessories

- second 250-sheet paper input tray
- hp PCL 5c/PostScript 3 emulation
- hp jetdirect EIO Fast Ethernet internal wired or 802.11b wireless print server
- memory upgrade—expand up to 176 MB with hp 64/128 MB SDRAM module (note: hp PCL 5c/PostScript 3 emulation card required to enable memory upgrade)

#### hp business inkjet 2280

high speed color for small workgroups

- 48 MB RAM
- 96/167 MHz dual processors
- 250-sheet paper input tray
- hp PCL 5c/PostScript 3 emulation

#### optional accessories

- second 250-sheet paper input tray
- hp jetdirect EIO Fast Ethernet internal wired or 802.11b wireless print server
- memory upgrade—expand up to 176 MB with hp 64/128 MB SDRAM module

#### hp business inkjet 2280tn

high speed color for networked environments

- 48 MB RAM
- 96/167 MHz dual processors
- two 250-sheet paper input trays
- hp PCL 5c/PostScript 3 emulation
- high throughput hp jetdirect 615n Fast Ethernet EIO internal print server
- hp web jetadmin provides remote printer management

#### optional accessories

- hp jetdirect 802.11b wireless internal print server
- memory upgrade—expand up to 176 MB with hp 64/128 MB SDRAM module

# best-in-class networking for small workgroups



## professional connectivity

HP Business Inkjet 2230/2280 series printers feature an Embedded Web server plus best-in-class networking via the HP Jetdirect Fast Ethernet EIO print server or optional 802.11b wireless print server—this means sharing and remote management through HP Web Jetadmin is as easy as with any HP LaserJet printer. These Internet-enabled printers offer e-services such as easy supplies ordering from the Web and self-diagnostic service and support that help you analyze and diagnose the printer. The printers can also send automatic e-mail notification when attention is required, such as status of the printer and low paper or low ink supplies, as well as supplies usage information for proactive management.

## worry-free printing

Enjoy long-lasting high-volume color printing with a 10,000 pages-per-month duty cycle, up to 500-sheet printing capacity and one-year HP standard warranty. Count on HP reliability and award-winning HP Customer Care support to keep your office at peak productivity, without printer downtime. And to protect your investment, choose the optional HP Supportpack that suits your fast-paced business environment—with 1, 2 and 3 year, next-day onsite, return to HP and express repair plans to choose from. And HP printers, inkjet print cartridges and printing materials are designed together to work together so you can be sure your first printed page is as good as your last.

## high-power color

HP Business Inkjet 2230/2280 series printers deliver high-quality, color printing to your small workgroup. Print all your business communications accurately with supported color standards—PANTONE® calibration and ICC profiles and Apple ColorSync. See crisp, vibrant colors with resolution up to 1200 by 600 dpi with HP PhotoREt III color layering technology. These printers use a modular 4-cartridge CMYK ink system that extends printer life by

creating documents more efficiently so you don't have to worry about ink for longer periods of time. Its affordable price and low cost-per-page means you can bring dynamic color printing to workgroups in even the smallest business.

## smart printing with hp software

Enhance your business communications with included smart printing software from HP. Take full advantage of the HP Business Inkjet 22230/2280 series' capabilities by expanding your layout options. A selection of smart printing options include:

- fit to page—handles odd-size electronic documents
- emulate laser margins—matches hp LaserJet printing formats
- booklet and handout options—accurately represents the intended look of your communications
- watermarks—places messages on documents behind printed text

# create professional color documents

## technical specifications

### hp business inkjet 2230/2280/2280tn series printers

Memory: 16 MB internal fixed (48 MB internal fixed on 2280/2280tn models) upgradable to 176 MB

Memory slots: one SODIMM slot (144 pin, SDRAM, 133 MHz)

Motorola microprocessor 96 MHz (2230 model), 96 MHz +167 MHz (2280, 2280tn models)

HP PCL3 with high-performance architecture (HPA); HP PCL 5c and PostScript 3 emulation (2280, 2280tn models)

### print speeds (in pages per minute)

letter	fast	normal	best
Black text*	15	11	6.5
Color mixed text/graphics*	14	7.5**	1.5
Full page color*	6	2.5	0.5

\*plain paper

\*\*new "Normal-Speed Optimized" mode prints up to 50% faster than "Normal" mode with comparable print quality for color documents on plain paper

### resolution

HP PhotoREt III print quality

1200 by 600 dpi

### paper handling

Input tray: capacity 250 sheets 16 to 28 lb bond (60 to 105 g/m<sup>2</sup>)

Optional 2nd tray: capacity 250 sheets (standard on 2280tn) 16 to 28 lb bond (60 to 105 g/m<sup>2</sup>)

Output tray: capacity 150 sheets

### media types and sizes

Copier, bond, recycled, multipurpose, premium inkjet, premium inkjet heavyweight, premium transparency, premium photo paper, photo paper, professional brochure (matte and glossy), cards, and envelopes

Media sizes from 4-by-6 in (102-by-152 mm) to 8.5-by-14 in (216-by-356 mm)

### control panel

Text-based LCD front panel

Intuitive operations with Resume, Job Cancel, Menu, Item, Value, and Select buttons

Messages can be displayed in 15 languages

### operating systems

2230/2280: supports Windows 95/98/ME, Windows NT® 4.0, Windows 2000, Windows XP

2280tn: supports Windows 95/98/ME, Windows NT 4.0, Windows 2000, Windows XP, Macintosh OS 8.6 and above (including OS X)

### networking operating systems (via optional hp jetdirect print servers)

Compatible Network Operating Systems:

Microsoft Windows 95, 98, Me, NT 4.0, 2000, XP; Novell NetWare 3.2, 4.2, 5.x, 6; Apple Mac OS 8.6 and later; Red Hat Linux 6.x, 7.x; SuSE Linux 6.x; HP-UX 10.20, 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 not supported on Token Ring print servers

### font capabilities

45 TrueType™ and 35 PostScript fonts built-in; all PostScript emulation and HP PCL 5c accessible; Intellifont and TrueType rasterizer built into PCL 5c

### environmental ranges

Operating temperature: 41 to 104° F (5 to 40° C)

Recommended operating conditions: 59 to 95° F (15 to 35° C)

Storage temperature: -40 to 140° F (-40 to 60° C)

Relative humidity: 20 to 80% RH non-condensing

### acoustics

49 dB(A) sound pressure, 59 dB(A) sound power

### power requirements

Source: 100 to 240 VAC (±10%), 2 Amp. max

Frequency: 50 or 60 Hz (±3 Hz)

### power consumption

Printing: 65 watts average printing, 68 watts maximum printing

Power-save mode: less than 2 watts when off, 8 watts maximum when non-printing

### product certification

Safety Certification: CSA (Canada), UL (USA)

### smart features

E-services with embedded Web server

Ink-level gauge

Auto pen alignment

Transparency sensor

HP Instant Support

### connectivity

2230: IEEE 1284-compliant bi-directional parallel, 2 open EIO slots

2280: IEEE 1284-compliant bi-directional parallel, HP PCL 5c/PostScript 3 emulation upgrade kit, 1 open EIO slot

2280tn: IEEE 1284-compliant bi-directional parallel, HP PCL 5c/PostScript 3 emulation upgrade kit, HP Jetdirect 615n internal print server for Fast Ethernet 10/100Base-TX

### duty cycle

Up to 10,000 pages-per-month

### dimensions (w x d x h)

2230: 20.2 by 20.3 by 8.2 in (512 by 514 by 208 mm)

2280: 20.2 by 20.3 by 8.2 in (512 by 514 by 208 mm)

2280tn: 20.2 by 20.4 by 11.5 in (512 by 517 by 291 mm)

### weight

2230: 23 lb (10.5 kg)

2280: 23 lb (10.5 kg)

2280tn: 32 lb (14.5 kg)

## ordering information

number	description
C8119A	HP Business Inkjet 2230 printer
C8120A	HP Business Inkjet 2280 printer
C8121A	HP Business Inkjet 2280tn printer
<b>service and support</b>	
H3679E	HP Supportpack, 2-year, express exchange
H3678A/H3678E	HP Supportpack, 3-year, express exchange
H3676E	HP Supportpack, 2-year, next-day onsite
H3675A/H3675E	HP Supportpack, 3-year, next-day onsite
<b>supplies and accessories</b>	
C8229A	HP PCL 5c/PostScript 3 emulation upgrade kit
C8230A	250-sheet input tray
<b>hp printheads</b>	
C4810A	HP 11 black printhead
C4811A	HP 11 cyan printhead
C4812A	HP 11 magenta printhead
C4813A	HP 11 yellow printhead
<b>hp inkjet print cartridges</b>	
C4844A	HP 10 black ink cartridge, (69 ml)
C4836A	HP 11 cyan ink cartridge, (28 ml)
C4837A	HP 11 magenta ink cartridge, (28 ml)
C4838A	HP 11 yellow ink cartridge, (28 ml)
<b>hp multipurpose paper</b>	
M1120	U.S. letter size, 500 sheets
<b>hp printing paper</b>	
HPP1122	U.S. letter size, 500 sheets
<b>hp premium inkjet heavyweight paper</b>	
C1852A	U.S. letter size, 100 sheets
<b>hp premium photo paper</b>	
C6039A	U.S. letter size, 15 sheets
C6979A	U.S. letter size, 50 sheets
<b>hp photo paper</b>	
C1846A	U.S. letter size, 20 sheets
C6982A	U.S. letter size, 60 sheets
<b>hp professional brochure and flyer paper, glossy (2-sided)</b>	
C6817A	U.S. letter size, 50 sheets
<b>hp professional brochure and flyer paper, matte (2-sided)</b>	
C6955A	U.S. A size, 50 sheets
<b>hp premium transparency film</b>	
C3834A	U.S. letter size, 50 sheets
C3828A	U.S. letter size, 20 sheets
<b>hp premium plus transparency film</b>	
C7028A	U.S. letter size, 50 sheets
C7030A	U.S. letter size, 20 sheets
<b>memory</b>	
C2387A	64 MB SDRAM, PC-100 module
C2388A	128 MB SDRAM, PC-100 module
<b>interface and cables</b>	
C2950A	IEEE-1284 compliant A-B parallel cable, 2 m
C2951A	IEEE-1284 compliant A-B parallel cable, 3 m
<b>network</b>	
J6057A	HP Jetdirect 615n EIO (10/100 Base-TX)
J4167A	HP Jetdirect 610n EIO (Token Ring)
J6058A	HP Jetdirect 680n 802.11b wireless
J3110A	HP Jetdirect 600n EIO (10/100 Base-T)
J3111A	HP Jetdirect 600n EIO (10 Base-T, 10 Base-2, LocalTalk)
J3265A	HP Jetdirect 500x (10/100 Base-TX)
J3264A	HP Jetdirect 500x (Token Ring)
J3263A	HP Jetdirect 300x (10/100 Base-TX)

### warranty

One-year HP standard warranty

### what's in the box

Power cord, reference guide, setup guide, printer software CD-ROM, four printheads and ink cartridges (one each: black (26.9 ml), cyan (28 ml), magenta (28 ml), and yellow (28 ml)), 250-sheet input tray (2280tn model only)

For more information on the HP Business Inkjet 2230/2280 series, visit our Web site at [www.hp.com](http://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/howtell](http://www.microsoft.com/piracy/howtell)

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