HP Business Inkjet 2800 series printer
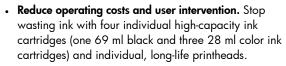## 2800 • 2800dt • 2800dtn

+hp

Get the most for your money with this printing solution for small work teams that handles specialty paper at sizes up to 13 by 19 inches and lets you produce vibrant documents with speed and accuracy.

High performance

- **Do more—print up to 13 by 19 inch sizes.** Create full-color documents, in sizes from postcard (4 by 6 inches) to poster (13 by 19 inches), on a wide variety of specialty and everyday paper and film. Print everything from newsletters and proposals to technical drawings.
- **Improve efficiency with fast print speeds.** Increase productivity with speeds up to 24 ppm black and up to 21 ppm color in Draft mode.
- **Produce high-quality documents.** Create outstanding color presentations and brochures with HP PhotoREt III and up to 4800 by 1200-optimized dpi on premium photo paper.

Cost-effective

Individual Ink

- **Reduce operating costs and user intervention.** Stop wasting ink with four individual high-capacity ink cartridges (one 69 ml black and three 28 ml color ink cartridges) and individual, long-life printheads.
- **Increase quality, reliability, and control.** HP Smart printing technology[1] in your printer and its supplies enables status monitoring and alert messages, provides continuous, automatic adjustments to optimize print quality, and ensures crisp, sharp text and vibrant images every time you print.
- **Save with HP reliability.** The printer's proven design and monthly duty cycle of up to 12,000 pages assures reliable performance for day-to-day printing as well as unpredictable periods of more abundant productivity.

Easy network management

- **Get a professional networking solution.** Small work teams get sophisticated networking[2] capabilities and compatibility with this printer, including swift and seamless network connectivity for even the most complex network environments.
- **Depend on compatibility.** HP PCL 5c, HP PCL 6, and HP postscript level 3 emulation print drivers deliver reduced server load and greater compatibility.
- **Manage your fleet remotely.** HP's remote management software performs diagnostics, sends automatic e-mail alerts, provides job tracking and accounting, indicates pages remaining, and automates supplies ordering. HP Web Jetadmin helps you conveniently and remotely install, configure, and manage your printer.
- **Take control with the back-lit LCD control panel.** Featuring an easy-to-understand printer menu, the control panel enables simple printer configuration, maintenance, and troubleshooting.

Expandable for your business

- **Print more with a 400-sheet maximum input capacity and automatic two-sided printing.** Get more done with 150-sheet and 250-sheet input trays. The automatic two-sided printing unit allows you to conserve paper resources while effortlessly producing high-quality pamphlets and brochures.[3]
- **Process complex print jobs quickly.** With a powerful 256 MHz processor and 96 MB RAM (upgradeable to 352 MB), you get high-performance printing with the option to upgrade memory according to your business needs.

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

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[1] Using genuine HP supplies ensures availability of all HP printing features.
[2] Networking is optional for the 2800 and 2800dt models.
[3] The automatic two-sided printing unit and 250-sheet second paper tray are optional for the 2800 model.

HP Business Inkjet 2800 series printer

1 Easy-to-read back-lit LCD screen and helpful control panel buttons, including power, help, cancel, resume, and three menu navigation buttons

2 Four separate, long-lasting printheads and print cartridges for cost-effective printing

3 100-sheet output tray

4 Up to 400-sheet input capacity with standard 150-sheet main tray and second 250-sheet tray

5 High-performance with the HP Jetdirect 620n Fast Ethernet print server

6 Built-in Full-Speed USB 2.0 and IEEE 1284-compliant parallel ports

7 Powerful 256 MHz processor and 96 MB RAM, expandable to 352 MB via two open DIMM slots

8 Automatic two-sided printing unit for professional documents

Series at a glance

HP Business Inkjet 2800

- 150-sheet main tray
- 100-sheet output tray with extender
- IEEE 1284-compliant parallel and Full-Speed USB 2.0 ports
- One open EIO slot for optional network connectivity

HP Business Inkjet 2800dt

Base model plus:
- Automatic two-sided printing unit
- 250-sheet tray 2 for a 400-sheet input capacity

HP Business Inkjet 2800dtn

Base model plus:
- Automatic two-sided printing unit
- 250-sheet tray 2 for a 400-sheet input capacity
- HP Jetdirect 620n Fast Ethernet print server in the EIO slot

Do more for less with low cost of ownership, flexible features, and simple remote management software. Produce vibrant images and graphics up to 13 by 19 inches with up to 4800 dpi printing.

Print your color office documents and marketing collateral in house

The HP Business Inkjet 2800 series printer is a low-cost business printing solution—designed to print both color and black-only office documents quickly and affordably. The printing system features four, individual, high-capacity print cartridges—you save money by replacing only empty cartridges. You can enjoy the flexibility and convenience of producing high-quality marketing collateral in-house, which reduces costs, saves time, and gives you control over the entire process.

Print enlarged or reduced documents with document-scaling technology. Choose HP resizing options before you print to scale print jobs from 25 to 400 percent with virtually no loss in print quality or resolution. Extra training and the purchase of special software is not required, saving you time and money.

Print booklets effortlessly with a booklet layout feature that automatically enables appropriate two-sided printing and reduce-to-fit options. In addition, a collation feature lets you print multiple copies of a single job, so all you need to do is fold and bind the printed pages into a booklet.

Save up to 95 percent over your local print shop![4]

The following table shows how much you can save with the HP Business Inkjet 2800 series printer:

Color print jobs	HP BIJ 2800		Quick-print shop	
Cost	Per page	Total	Per page	Total
50 pages at 10% coverage	$0.051	$2.56	$0.98	$49.00
100 pages at 10% coverage	$0.051	$5.12	$0.98	$98.00
50 pages at 60% coverage	$0.2580	$12.88	$0.98	$49.00
100 pages at 60% coverage	$0.2580	$25.76	$0.98	$98.00

10% coverage   60% coverage

Support barcode printing from UNIX®, SAP R/3, Oracle®, Windows and other ERPs

Turn this printer into a professional barcode printer with the optional Jetmobile BarDIMM 3.1 solution, which enables quick and versatile barcode printing from UNIX, SAP R/3, Oracle, other ERPs, Mainframes (SCS), AS/400 (SCS), and Windows. With support for more than 60 barcode types, including 2D barcodes like PDF417, and built-in quality control, you can easily produce barcoded documents without investing in specialty barcode printers. For more information, go to www.jetmobile.com.

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[4] For more information, please go to www.hp.com/sbso/productivity/color/print_cost_calc.html

Easily manage your printing costs

The HP Business Inkjet 2800 series printer is designed for sharing. The HP Business Inkjet 2800dtn model features the HP Jetdirect 620n Fast Ethernet print server installed in the EIO slot, which provides high-performance networking with up to 6 MB per second throughput speeds and heightened security.

The remote management software included with the printer simplifies printer configuration and lets you easily manage a networked printer from any standard Web browser. In addition, the software includes job accounting, pages remaining, and diagnostics features to help you manage costs.

Job accounting allows administrators to track and monitor each users' usage (for example, the type and number of pages printed and black and color ink usage). This information can be used by administrators to track printer deployment, workload, and the purchase of supplies.

Pages remaining lets you see the estimated number of pages that can be printed with the remaining ink for full color, business color, or black text documents. You can also determine if the ink levels are sufficient to print your jobs.

Diagnostics help you perform troubleshooting and maintenance tasks, such as testing the printer's media paths, aligning printheads, and cleaning printheads. Administrators can also configure network settings.

Rely on legendary HP service and support

HP offers a variety of support options to assist you with setup and maintenance. Start with the standard one-year limited hardware warranty that includes phone support backed by award-winning HP Customer Care. To further ensure trouble-free operation and to maximize the capabilities of your printer, you can upgrade your service and support options to include extended printer maintenance.

HP Business Inkjet 2800 series printer

Technical specifications	HP Business Inkjet 2800 printer (C8174A)	HP Business Inkjet 2800dt printer (C8163A)	HP Business Inkjet 2800dtn printer (C8164A)
Print speed (letter) [5]			
Black	24 ppm Draft; 12.5 ppm Fast Normal; 6.5 ppm Normal; 4 ppm Best		
Color	21 ppm Draft; 12 ppm Fast Normal; 5 ppm Normal; 4 ppm Best		
Print cartridge volume	Black: 69 ml; cyan, magenta, yellow: 28 ml each		
Resolution	HP PhotoREt III, up to 4800 by 1200 optimized dpi on premium photo paper, 1200 by 600 dpi black and white		
Color calibration	ColorSync, ICC Profiles, PANTONE®		
Processor	256 MHz		
Memory	96 MB RAM (upgradeable to 352 MB with two 100-pin SDRAM DIMM) with Memory Enhancement technology (MEt)		
Duty cycle	Up to 12,000 pages per month		
Automatic duplex printing	Optional	Standard	
Automatic paper sensor	Standard		
Media			
Input capacity	150-sheet main tray	150-sheet main tray, 250-sheet input tray	
Output capacity	100-sheet output tray		
Custom sizes	3.54 by 5.75 in (90 by 146 mm) to 13 by 19 in (330 by 483 mm)		
Standard sizes	Letter, legal, tabloid, super B, executive, statement, index cards, envelopes (No. 10, Monarch)		
Weights	Tray 1: 16 to 76 lb (60 to 286 g/m²) (including plain and photo media); Tray 2: 16 to 24 lb (60 to 90 g/m²)		
Types	Tray 1: Paper (plain, inkjet, photo), envelopes, transparencies, labels, cards (index, greeting); tray 2: plain paper only		
Connectivity			
Interfaces	IEEE 1284-compliant parallel, Full-Speed USB 2.0, one open EIO slot		IEEE 1284-compliant parallel, Full-Speed USB 2.0, HP Jetdirect 620n Fast Ethernet internal print server
Printer language	HP PCL 6, HP PCL 5e, HP postscript level 3 emulation		
Fonts	Supports HP80 fonts (45 TrueType and 35 PostScript® fonts built-in, all postscript emulation and HP PCL 5e and HP PCL 6 accessible). Intellifont and TrueType rasterizer built into HP PCL 5e and HP PCL 6. Built-in support for Arabic, Cyrillic, Greek, Hebrew, and Ukrainian symbol sets. There are 49 symbol sets in HP PCL 5e and HP PCL 6 to support all the languages that use these characters.		
Client operating systems	Windows 2000, XP; Mac OS X v10.2.8, v10.3[6], v10.4 and higher		
Network operating systems	Windows 2000, Windows 2003 Server, NetWare (4.2, 5.1, 6.5), Window 2000 Terminal Services, Windows 2000 Terminal Services with Citrix MetaFrame 1.8, Windows 2000 Terminal Services with Citrix MetaFrame XP, Windows 2003 Terminal Services, Windows 2003 Terminal Services with Citrix MetaFrame Presentation Server		
Minimum system requirements	CD ROM; Microsoft Internet Explorer v. 5 or later; Windows 2000: Pentium 300, 64 MB RAM, 160 MB on hard disk; Windows XP 32: Pentium 233, 64 MB RAM, 160 MB on hard disk; Windows XP 64: Pentium 233, 128 MB RAM, 160 MB on hard disk iMac 600 MHz, 128 MB; Power Mac G3 or later 400 MHz, 128 MB; iBook 366 MHz, 128 MB		
Dimensions (w by d by h)	26.6 by 19.6 by 7.8 in (676 by 498 by 199 mm)	26.6 by 23.1 by 10.4 in (676 by 588 by 263 mm)	
Weight	29.7 lb (13.5 kg)	41.8 lb (19 kg)	
What's in the box	Printer, Set up Roadmap, 4 print cartridges (HP 10 black ink cartridge, 26 ml; HP 11 cyan ink cartridge, 28 ml; HP 11 magenta ink cartridge, 28 ml; HP 11 yellow ink cartridge, 28 ml), 4 printheads (HP 11 black printhead, HP 11 cyan printhead, HP 11 magenta printhead, HP 11 yellow printhead), Getting Started Guide, power cord, driver CD		
Also includes		Automatic two-sided printing unit, 250-sheet tray	Automatic two-sided printing unit, 250-sheet tray, HP Jetdirect 620n Fast Ethernet internal print server (installed)

[5] Approximate figures. Exact speed depends on system configuration, software programs, and document complexity.
[6] Mac OS 10.3 supported only with network connections.

Environmental ranges

Operating temperature	59 to 95 degrees F (15 to 35 degrees C)
Storage temperature	-40 to 140 degrees F (-40 to 60 degrees C)
Relative humidity	15 to 80 percent, RH non-condensing
Max operating altitude	10,000 ft (3100 m)

Acoustics
Sound power — Default mode: 6.2 B(A); Draft mode: 6.4 B(A)

Power specifications[7]
Input requirements — 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz), 2.2 amp
Consumption — Maximum: 67 watts
Powersave: less than 30 watts
Standby: 12 watts

Certifications
Safety and data communications — EN 60950/IEC 950 Compliance (International), UL Listed (USA), CSA (Canada), NOM-NYCE (Mexico)
EMC — FCC Title 47 CFR Part 15 Class B (USA), ICES (Canada)

Warranty
One-year return to HP authorized service center hardware and software warranty

[7] Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty.

Ordering information

Product		Number
HP Business Inkjet 2800		C8174A
HP Business Inkjet 2800dt		C8163A
HP Business Inkjet 2800dtn		C8164A
Paper handling		
Automatic two-sided printing unit		C8258A
250-sheet input tray		C8261A
HP print supplies	Supply yields at 5% coverage	
HP 10 Black ink cartridge (69 ml)	up to 1,750 pages	C4844A
HP 11 Cyan ink cartridge (28 ml)	up to 1,750 pages	C4836AN
HP 11 Magenta ink cartridge (28 ml)	up to 1,750 pages	C4837AN
HP 11 Yellow ink cartridge (28 ml)	up to 1,750 pages	C4838AN
HP 11 Black printhead	up to 16,000 pages	C4810A
HP 11 Cyan printhead	up to 24,000 pages	C4811A
HP 11 Magenta printhead	up to 24,000 pages	C4812A
HP 11 Yellow printhead	up to 24,000 pages	C4813A
Memory		
64 MB SDRAM DIMM		Q7708A
128 MB SDRAM DIMM		Q7709A
Cables		
IEEE 1284 cable (a-b) 2 meter		C2950A
IEEE 1284 cable (a-b) 3 meter		C2951A
USB cable (a-b) 2 meter		Q6264A
Connectivity		
HP Jetdirect en1700 USB 2.0 Print Server		J7988G
HP Jetdirect en3700 USB 2.0 Print Server		J7942G
HP Jetdirect ew2400 wireless USB 2.0 Print Server		J7951G
HP Jetdirect 175x Fast Ethernet USB external Print Server		J6035G
HP Jetdirect 630n IPv6 Gigabit Ethernet Print Server		J7997G
HP Jetdirect 635n IPv6/IPsec internal Print Server		J7961G
HP Jetdirect 620n Fast Ethernet Print Server		J7934G
HP CarePacks		
3-year, next day exchange		H7674E
3-year, next day onsite exchange		H7672E
On-site installation and network configuration		H3110E
Barcode printing		
Jetmobile BarDIMM solution: www.jetmobile.com		
Supported paper		
North America: www.hp.com/go/everydaypapers		

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