HP Color LaserJet 2800
All-in-One series
Printer/Fax[1]/Scanner/Copier

Network-ready HP Color LaserJet All-in-One for printing, faxing[1], scanning, copying and digital imaging[1]. Get fast, dependable black and white, and professional, high-quality colour documents with a robust design that is easy to use and maintain.

HP Color LaserJet 2820
All-in-One

HP Color LaserJet 2840
All-in-One

The ideal choice for small and medium sized businesses who want to consolidate and simplify business operations. This All-in-One helps to maximise the productivity of individuals and small work teams by improving the effectiveness and efficiency of customer communications.

Maximise productivity with network-ready colour laser All-in-One versatility.

- Be more productive with integrated printing, faxing[1], scanning, copying and digital imaging[1] functionality.
- Fast, efficient printing of high quality documents at up to 19 ppm in black and 4 ppm in colour.
- Save time and energy with no-wait Instant-on Technology which delivers a fast first page out.
- Professional faxing with up to 33.6 Kbps, including delayed faxing and fax to PC[2].
- Integrated 10/100 network connectivity for easy sharing and USB 2.0 Hi-Speed for connecting directly to your PC.

Create impressive and effective documents with colour laser print quality.

- Produce vibrant colour documents with HP ImageREt 2400 technology and HP supplies[3], that work together to deliver accurate tones, clear lines and sharp images.
- HP Image Zone software provides tools for viewing, enhancing, managing, and sharing digital photos and scanned images, which can be easily integrated into various types of documents.
- Get exceptional results when you integrate, store or send brilliant images with up to 19,200 dpi enhanced scan resolution.

The integrated design of this reliable All-in-One makes it easy to use, manage and maintain.

- The integrated design and intuitive control panel ensure easy operation enabling you to get the full benefit of All-in-One functionality.
- Manage device settings and supplies status from the control panel and HP Embedded Web Server.
- HP Smart printing supplies[3] make colour printing both easy and consistent.
- Supplies are simple to install and effortless to maintain through one front door.
- Enjoy worry-free printing with proven HP LaserJet reliability and a robust 30,000 page per month duty cycle.

[1] Included with the HP Color LaserJet 2840 All-in-One.
[2] Fax to PC available with USB connection and Microsoft® Windows® 2000, XP.
[3] Using genuine HP supplies ensures availability of all HP printing features.

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Technical specifications

Print Speed	Black: up to 19 ppm, colour: up to 4 ppm, colour transparency: up to 2 ppm First page out (for printing): black: 18 secs, colour: 29 secs (Instant-on Technology virtually eliminating warm-up time – from cold or warm start); (Exact speed varies depending on the system configuration, software program, and document complexity)
Processor	264 MHz, Motorola Coldfire® v 4e
Memory	96 MB, expandable to 224 MB through one DIMM slot using Memory Enhancement technology (MEt).
Print	Technology: 4-pass colour laser printing technology, HP ImageREt 2400 Quality: Colour: 600 x 600 dpi with HP ImageREt 2400 Black: 1200 dpi effective output quality (600 x 600 dpi with HP REt and FastRes 1200 technology) Margins: Left: 4.2 mm; right: 4.2 mm; bottom: 4.2 mm; top: 4.2 mm Languages: HP PCL 6, HP Postscript Level 3 Emulation Economical printing: N-up printing (multiple pages per sheet) and manual duplex printing Memory card compatibility : 4 slots, 7 formats: Compact Flash® Type I and Type II, xD-Picture card™, Secure Digital, Memory Stick®, Memory Stick Pro®, SmartMedia, MultiMedia. Card slots can be disabled via software. Typefaces/fonts: 80 TrueType™ internal scalable PCL 6, 80 TrueType™ internal scalable PostScript
Fax* *Available with HP LaserJet 2840 All-in-One only	Modem: 33.6 Kbps (3 secs per page) Quick dialing: Up to 120 numbers (or up to 110 group dials) Memory: Up to 250 pages 5 one-touch front panel keys Telecom: TBR-21: 1998; EG 201 121: 1998, FCC Part 68 Resolution: Standard: 203 x 98 dpi; fine: 203 x 196 dpi; superfine: 300 x 300 dpi (no halftone); photo: 300 x 300 dpi (halftone enabled) Advanced features: Microsoft® Windows® 2000, XP: Fax to and from PC with USB connection, fax from PC over network connection. Mac OS: Fax from PC only.
Scan	Type: Flatbed, ADF, colour CCD scanning Resolution: optical: 1200 x 1200 dpi; enhanced: 19200 x 19200 dpi Bit depth: 24-bit (external) Greyscale: 256 Twain: Version 1.9 Scannable area: Minimum: 127 x 127 mm (from ADF); maximum: 216 x 381 mm (from ADF), 216 x 297 mm (from flatbed) Margins: Left: 4.2 mm; top: 4.2 mm; right: 4.2 mm; bottom: 5.0 mm Advanced features: Intuitive device front control panel with Scan-to button for direct walk-up scan-to folder and e-mail capability (preconfiguration of walk-up capability required via software provided); Software
Copy	Speed: Black: up to 19 cpm; colour: up to 4 cpm Resolution: 600 x 600 dpi Multiple copies: 1-99 copies, with automatic collation Reduce/enlarge: 25 to 400% (1% increments) Economical copying: N-up copying (multiple pages per sheet), draft mode colour and mono copying (saves up to 50% toner) Advanced features: Scan-once-print-many, collation, reduce enlarge (with page size presets), fit to page, two or four pages to one page, customisable copy presets, contrast (lighter/darker), resolution (copy quality)

Media handling

Input	Capacity	Weight	Size
Multipurpose tray: (Tray 1)	Up to 125 sheets, up to 15 envelopes, up to 30 transparencies	60 to 177 g/m²*	A4, A5, B5 (JIS/ISO), envelopes (DL, C5, B5), postcards, 105 x 148 to 216 x 356 mm
Tray 2**:	up to 250 sheets	60 to 105 g/m²	A4, A5, B5 (JIS/ISO), 148 x 210 to 216 x 356 mm
ADF	up to 50 sheets	60 to 90 g/m²	127 x 127 to 216 x 381 mm

Output: Up to 125 sheets; up to 10 envelopes; up to 50 transparencies
Duplex printing: Manual (driver support provided)
* Up to 220 g/m² with HP Photo Laser Paper 220 glossy and HP Premium Choice Laser Paper. ** Optional with the HP Color LaserJet 2820 All-in-One

Media types	Paper (plain, letterhead, pre-punched, bond, colour, rough, pre-printed, recycled); HP LaserJet Glossy Media, HP Cover Paper; HP Color LaserJet transparencies, labels, envelopes, and cardstock;
Interface and connectivity	Standard: Built-in HP Jetdirect 10/100 wired Ethernet network connectivity with 1 RJ-45 port; 1 USB 2.0 Hi-Speed port
Operating systems compatibility (direct and network connection)	Microsoft® Windows® XP, 2000 (full install); 98 SE, Me (print driver, scan driver only); NT 4.0 (print driver only). Apple Mac OS 9.2.2, OS X 10.2.8, OS X 10.3.x (full install). Latest supported OS print drivers available at http://www.hp.com/support
Minimum system requirements	Microsoft® Windows® NT 4.0®: any Pentium® II processor or greater, 64 MB RAM, 10 MB hard disk space, (print driver only); Windows 98 SE, Me: any Pentium II processor or greater, 64 MB RAM, 100 MB hard disk space, Internet Explorer v5.01 SP2 or greater (print driver, scan driver only); Windows 2000, XP (32 bit Home and Professional): any Pentium II processor (Pentium III or greater recommended), 192 MB RAM, 550 MB hard disk space, Internet Explorer 5.5 or greater (full install) Mac OS 9.2.2: G3 or G4 processor, 64 MB RAM, 30 MB disk space; Mac OS X, version 10.2.8 or version 10.3.x: G3, G4, or G5 processor, 128 MB RAM, 30 MB disk space
Standard software	HP Toolbox, HP LaserJet Scan, TWAIN 1.9 or WIA Scan Driver, HP LaserJet Fax, HP Director, HP Image Zone, HP Document Viewer, Readiris PRO Text Recognition software (not installed with device software, separate installation required), printer drivers (HP PCL 6, HP Postscript Level 3 Emulation), installer/uninstaller; HP All-in-One Setup Assistant (Mac)
Control panel	Intuitive control panel with 2-line back lit display, device/supplies status view, rotate carousel button, copy controls, scan controls, menu and cancel buttons. HP Color LaserJet 2820 All-in-One : numerical buttons; HP Color LaserJet 2840 All-in-One : alphanumeric buttons, fax controls, speed-dial keys, photo memory card
Printer management	HP Toolbox, HP Web Jetadmin, HP Embedded Web Server, HP Printer Status and Alerts
Power	Requirements: input: 220 to 240 VAC (± 10%), 50/60 Hz (± 3 Hz) Consumption: 398 watts (active), 19 watts (standby), 17 watts (Powersave), 0 watt (off)
Dimensions (w x d x h) (out of package/packaged)	HP Color LaserJet 2820 All-in-One: 498 x 532 x 525 mm/800 x 700 x 643 mm; HP Color LaserJet 2840 All-in-One: 498 x 532 x 573 mm/800 x 700 x 690 mm
Weight (out of package/packaged)	HP Color LaserJet 2820 All-in-One: 31.6 kg/37.5 kg; HP Color LaserJet 2840 All-in-One : 34.2 kg/41.1 kg
Operating environment	Environmental ranges: Operating temperature:15 to 32.5° C, operating humidity:10 to 80% RH, storage temperature: -20 to 40° C, storage humidity: 0 to 95% RH. Noise level per ISO 9296: sound power LwAd: 6.6 B(A) (active); not audible (standby), sound pressure LpAm: 52 dB(A) (active – bystander position); not audible (standby)
Certifications	CISPR 22: 1997/EN 55022: 1998 Class B; EN 61000-3-2: 2000; EN 61000-3-3: 1995\A1; EN 55024: 1998\A1; EU: (EMC Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC, and carries the CE-Marking accordingly. Product Fax version complies with R&TTE Directive 1999/5/EC (Annex II).); ISE Countries (CISPR 22), Russia (GOST-CISPR 22/24) Regulatory standards: IEC 60950 compliant; safety UL listed; EU LVD & EN60950 compliant; countries: EU (CE Mark-Low Voltage Directive 73/23/EEC), Germany (TÜV- EN60950-IEC60825-1), (Russia (GOST- R50377), South Africa (IEC 60950-IEC60825-1), USA (UL-UL 60950; FDA-21 CFR Chapter 1 Subchapter J for lasers); class 1 laser/LED product. Energy Star®
Warranty	One-year limited hardware on-site warranty and phone and web support (varies according to region)

Ordering information

Q3948A	HP Color LaserJet 2820 All-in-One, control-panel faceplate, 1 HP Imaging drum, 1 HP black print cartridge up to 5,000 pages, 3 HP colour print cartridges (cyan, magenta, yellow) up to 2,000 pages*, getting started guide and support flyer, CDs containing device software, electronic user guide, and Read Iris Pro Text Recognition software, automatic document feeder (ADF) input tray, power cord.
Q3950A	HP Color LaserJet 2840 All-in-One, includes same as Q3948A plus: fax telecom cable, 3 HP colour print cartridges (cyan, magenta, yellow) up to 4,000 pages*, 250-sheet input tray

* Based on 5% coverage

Supplies

Q3960A	HP Color LaserJet Smart Print Cartridge, Black (up to 5000 pages*)
Q3961A	HP Color LaserJet Smart Print Cartridge, Cyan (up to 4000 pages*)
Q3962A	HP Color LaserJet Smart Print Cartridge, Yellow (up to 4000 pages*)
Q3963A	HP Color LaserJet Smart Print Cartridge, Magenta (up to 4000 pages*)
Q3971A	HP Color LaserJet Smart Print Cartridge, Cyan (up to 2000 pages*)
Q3972A	HP Color LaserJet Smart Print Cartridge, Yellow (up to 2000 pages)
Q3973A	HP Color LaserJet Smart Print Cartridge, Magenta (up to 2000 pages*)
Q3964A	HP Color LaserJet Smart Imaging Drum (up to 20000 pages*, black; 5000 pages, colour)

*Based on 5% coverage

Cables

C6518A	HP USB Cable, 2m

Memory

C7845A	HP 32 MB SDRAM DIMM
Q1887A	HP 64 MB SDRAM DIMM
C9121A	HP 128 MB SDRAM DIMM

Paper handling

Q3952A	HP 250-sheet Paper Tray and Feeder Unit

Service & support

UA337A/E	HP Care Pack, next business day on site, 3 years
UA343A/E	HP Care Pack, on site response within 4 hours of call, 3 years
UA346PA/PE	HP Care Pack, post warranty, next business day on site, 1 year
UA348PA/PE	HP Care Pack, post warranty, on site response within 4 hours of call, 1 year
H3110A/E	Installation & Network Configuration for 1 network printer

http://www.hp.com   http://www.hp.com/go/all-in-one