

ProductSheet

## HP Color LaserJet Enterprise MFP 5800dn Printer (6QN29A)



**Powerfully compact. Extraordinarily efficient.**

Transform your workflows with advanced capabilities in a compact footprint. From print speeds to color panels [10], get flexible configurations to meet your needs today and tomorrow. All while protecting your business against evolving cyber threats.



### **More than a printer, in a compact footprint**

Experience fast scanning speeds and ultimate productivity with up to 100 ipm[1] duplex scan technology.

### **Customizable and scalable solutions [8]**

Get the functionality you need with unprecedented, flexible configurations built to order. Optimize your device to meet your business needs and your budget.

### **Fast and seamless digitization**

Customize your print experience with cloud-connected HP Workpath apps. Access personalized content and integrate paper and digital workflows.[4]

## Specifications

<b>Print Resolution Technologies</b>	HP ImageREt 3600, Enhanced (600x600 dpi), Fine Lines (1200x1200 dpi), Quickview (300x300 dpi)
<b>Print quality black (best)</b>	Up to 1,200 x 1,200 dpi
<b>Print quality color (best)</b>	Up to 1200 x 1200 dpi
<b>Print speed black (ISO, A4)</b>	Up to 43 ppm
<b>Print speed black (ISO, letter)</b>	Up to 45 ppm
<b>Print Speed Color (ISO)</b>	Up to 43 ppm
<b>Print speed color (ISO)</b>	Up to 45 ppm
<b>Print speed</b>	Print speed up to 45 ppm (black) and 45 ppm (color)
<b>Functions</b>	Print, copy, scan, fax (optional)
<b>Duplex printing</b>	Automatic
<b>Duty cycle (monthly, A4)</b>	Up to 80,000 pages
<b>Duty cycle (monthly, letter)</b>	Up to 80,000 pages
<b>Printer smart software features</b>	Apple AirPrint™, Mopria-certified, Open Extensibility Platform, FutureSmart Firmware, Instant-on Technology, HP Auto-On/Auto-Off technology, Easy Access USB, Two-Sided Printing, Hardware Integration Pocket, Intuitive 8 in (20.3 cm) touchscreen control panel, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, print preview
<b>Copier smart software features</b>	Auto scale; Reduce/enlarge from scanner glass (25 to 400 percent); Collate; Auto color detection; Two-sided copying; Image adjustments (darkness, background cleanup, sharpness); Job build
<b>Scanner advanced features</b>	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets
<b>Energy savings feature technology</b>	HP Auto-On/Auto-Off Technology; Instant-on Technology; Instant-on Copy
<b>Replacement cartridges</b>	HP 213A Black Original LaserJet Toner Cartridge (~3,500 pages) W2130A; HP 213A Cyan Original LaserJet Toner Cartridge (~3,000 pages) W2131A; HP 213A Yellow Original LaserJet Toner Cartridge (~3,000 pages) W2132A; HP 213A Magenta Original LaserJet Toner Cartridge (~3,000 pages) W2133A; HP 213X High Yield Black Original LaserJet Toner Cartridge (~9,000 pages) W2130X; HP 213X High Yield Cyan Original LaserJet Toner Cartridge (~6,000 pages) W2131X; HP 213X High Yield Yellow Original LaserJet Toner Cartridge (~6,000 pages) W2132X; HP 213X High Yield Magenta Original LaserJet Toner Cartridge (~6,000 pages) W2133X; HP 213Y Extra High Yield Black Original LaserJet Toner Cartridge, (~18,000 pages) W2130Y; HP 213Y Extra High Yield Cyan Original LaserJet Toner Cartridge (~12,000 pages) W2131Y; HP 213Y Extra High Yield Yellow Original LaserJet Toner Cartridge (~12,000 pages) W2132Y; HP 213Y Extra High Yield Magenta Original LaserJet Toner Cartridge (~12,000 pages) W2133Y <sup>[2]</sup>
<b>Supplies feature</b>	TerraJet Cartridge
<b>Connectivity, standard</b>	1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host); 1 Hi-Speed USB 2.0 (host); 1 Gigabit Ethernet 10/100/100T network; 1 Hardware Integration Pocket 2nd generation (HIP2)
<b>Connectivity, optional</b>	HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; HP Jetdirect LAN Accessory 8FP31A
<b>Modem</b>	33.6 kbps (with optional analog fax accessory)
<b>Network capabilities</b>	Yes, via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard); 802.11 a/b/g/n wireless networking (optional)
<b>Mobile printing capability</b>	Apple AirPrint™; Mopria™ Certified; NFC Touch-to-print (optional)
<b>Network protocols, supported</b>	Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, Google Cloud Print; DISCOVERY: SLP, Bonjour, Web Services Discovery; IP CONFIG: IPv4 (BootP, DHCP, AutoIP, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPS, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x
<b>Software included</b>	No software solutions are included in the Box only on <a href="http://hp.com">http://hp.com</a> <a href="http://123.hp.com">http://123.hp.com</a> ;
<b>Compatible Operating Systems</b>	Windows 11; Windows 10; Windows Client OS; Android; iOS; Mobile OS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; Linux; Citrix; Chrome OS ( <i>Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see</i> )
<b>Technical features</b>	Automatic document feeder; Automatic 2-sided printing; Bluetooth printing; Cloud-based fleet management; Color touchscreen with apps; ENERGY STAR®; Network printing; Fast first page out; Full ream of paper input; Google Cloud Print; HP Auto-on/Auto-off; TerraJet Toner; Private Print via PIN; Scan-to-cloud; Scan-to-email; Scan-to-folder; Touchscreen; Walk-up USB
<b>Sustainable impact specifications</b>	5% post-consumer recycled plastic; ENERGY STAR® certified; EPEAT® registered
<b>Energy star certified</b>	Yes
<b>Ecolabels</b>	CECP; IT ECO Declaration; Blue Angel; EPEAT® Gold registered; SEPA; KOECO; ENERGY STAR® certified

<b>Blue Angel compliant</b>	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
<b>Copy speed (black, normal quality, A4)</b>	Up to 43 cpm
<b>Copy speed (color, normal quality, A4)</b>	Up to 43 cpm
<b>Copy speed black (normal, letter)</b>	Up to 45 cpm
<b>Copy speed color (normal, letter)</b>	Up to 45 cpm
<b>Copy speed black duplex (A4)</b>	Up to 43 ipm
<b>Copy speed black duplex (Letter)</b>	Up to 45 ipm
<b>Digital sending standard features</b>	Scan to Email; scan to network folder; scan to USB drive; scan to SharePoint; scan to FTP; scan to sFTP; scan to LAN fax; scan to Internet Fax; local address book; SMTP over SSL; automatically detect color/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimize text/picture (text, mixed, printed picture, photograph); content orientation; scan mode (book, 2-sided ID); erase edges; auto page crop; job build; image preview; blank page suppression; automatically straighten
<b>Fax Resolution Black (best)</b>	Up to 300 x 300 dpi
<b>Faxing</b>	Optional
<b>Scan speed (normal, A4)</b>	Up to 47 ppm/94 ipm (b&w), up to 47 ppm/94 ipm (color)
<b>Scan speed (normal, letter)</b>	Up to 50 ppm/100 ipm (b&w), up to 50 ppm/100 ipm (color)
<b>Scan file format</b>	PDF; Hi-Compression PDF; PDF/A; JPEG; TIFF; MTIFF; XPS <sup>[11]</sup>
<b>Scan input modes</b>	Front panel applications: Copy; Fax; Scan to Email; Scan to Network Folder; Scan to USB; Scan to Job Storage; Open Extensibility Platform (OXP), HP Workpath Applications
<b>Scan technology</b>	Contact Image Sensor (CIS)
<b>Scanner type</b>	Flatbed ; ADF
<b>Display area (imperial)</b>	6.37 x 4.78 in
<b>Display area (metric)</b>	16.2 x 12.1 cm
<b>Display</b>	8.0 in (20.3 cm) Color Graphic Display (CGD) with touchscreen; rotating (adjustable angle)
<b>Minimum dimensions (W x D x H)</b>	500 x 460 x 583 mm
<b>Minimum dimensions (W x D x H)</b>	19.7 x 18.1 x 23.0 in
<b>Weight</b>	~38 kg (with supplies)
<b>Weight</b>	~83.6 lb (with supplies)
<b>Power consumption</b>	655 watts (Printing/Copying), 50.1 watts (Ready), 0.9 watts (Sleep), 0.09 watts (Manual Off) (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.)
<b>Power supply type</b>	Built in 110V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier)
<b>What's in the box</b>	HP Color LaserJet Multifunction Printer; HP Black Original LaserJet Toner Cartridge (~7,000 yield), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (~3,000 yield each) (toner cartridges installed); Documentation (Hardware Install Guide); Power cord <sup>[11]</sup>
<b>Manufacturer Warranty</b>	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.

## Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

## Messaging Footnotes

[1] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. Measured using standards found at: [http://standards.iso.org/ittf/PubliclyAvailableStandards/SC28\\_Test\\_Pages/](http://standards.iso.org/ittf/PubliclyAvailableStandards/SC28_Test_Pages/)

[4] Not all MFPs may be compatible with Workpath apps. To enable HP Workpath, some devices may require optional accessory or firmware to be upgraded. Not all apps may be available in all locations. Subscription may be required. Personalized content and integration functions are applicable to supported HP Workpath apps only.

[8] To learn more about configure to order options, contact your HP or Partner Representative.

[10] This product comes with Atmosphere Blue (standard) panels. Panels in other colors (Constellation Yellow, Comet Red, Aurora Purple, Lunar Grey, Cosmic Green) are only available transactionally via HP Configure to Order, or contractually via Managed Print Services. Models offered in China have Lunar Grey (standard) instead of Atmosphere Blue. Please contact your HP or partner representative to learn more about customizable color panels.

## Technical Specifications Footnotes

[1] For yield information on the cartridge(s) included with your printer, see <https://www.hp.com/go/toneryield>. Yield values measured in accordance with ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors.

[2] Declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <https://www.hp.com/go/toneryield>

[11] For Scan software, we support: Windows (JPG, RAW(BMP), PDF, TIFF, PNG, RTF) and Mac (JPG, JPG-2000, TIFF, PNG, PDF, Searchable PDF, RTF, TXT)

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