HP Color LaserJet Enterprise MFP 6800dn Printer (6QN35A)



Overview

Powerfully productive. Extraordinarily efficient.

Transform your workflows with advanced capabilities in a compact footprint. Customizable configurations from print speeds to color panels[11] help to meet the needs of busy workgroups. All while protecting your business against evolving security threats.

Customizable and scalable solutions [9]

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

Everything you expect from an office printer

Experience fast scanning speeds and ultimate productivity with up to 160 ipm[3] duplex scan technology.

Fast and seamless digitization

Customize your print experience with cloud-connected HP Workpath apps. Access personalized content and integrate paper and digital workflows.[1]

Always on guard with HP Wolf Security

With HP Sure Start always working behind the scenes, the operating code (BIOS) is automatically checked during start-up and repairs itself if compromised.

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[1] 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.

[3] 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/

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

[11] 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.

Specifications

Print Resolution Technologies	HP ImageREt 3600, Enhanced (600x600 dpi), Fine Lines (1200x1200 dpi), Quickview (300x300 dpi)
Print quality black (best)	Up to 1200 x 1200 dpi
Print quality color (best)	Up to 1200 x 1200 dpi
Print speed black (ISO, A4)	Up to 52 ppm
Print speed black (ISO, letter)	Up to 55 ppm
Print Speed Color (ISO)	Up to 52 ppm
Print speed color (ISO)	Up to 55 ppm
Print speed	Print speed up to 55 ppm (black) and 55 ppm (color)
Functions	Print, copy, scan, fax (optional)
Duplex printing	Automatic
Duty cycle (monthly, A4)	Up to 100,000 pages
Duty cycle (monthly, letter)	Up to 100,000 pages
Printer smart software features	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[1]
Copier smart software features	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
Scanner advanced features	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
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology; Instant-on Copy

Replacement cartridges	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; HP 217Z Ultra Yield Black Original LaserJet Toner Cartridge (~32,000 pages) W2170Z; HP 217Z Ultra Yield Cyan Original LaserJet Toner Cartridge (~24,000 pages) W2171Z; HP 217Z Ultra Yield Yellow Original LaserJet Toner Cartridge (~24,000 pages) W2172Z; HP 217Z Ultra Yield Magenta Original LaserJet Toner Cartridge (~24,000 pages) W2173Z [3]
Supplies feature	TerraJet Cartridge
Connectivity, standard	1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host); 1 Hi-Speed USB 2.0 (host); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2)
Connectivity, optional	HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; HP Jetdirect LAN Accessory 8FP31A
Modem	33.6 kbps (with optional analog fax accessory)
Network capabilities	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11a/b/g/n wireless networking (optional).
Wireless capability	No, Optional wireless direct
Mobile printing capability	Apple AirPrint™; Mopria™ Certified; NFC Touch-to-print (optional)
Network protocols, supported	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
Software included	No software solutions are included in the Box only on http://hp.com http://123.hp.com;
Compatible Operating Systems	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 *(Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see)*
Technical features	Fax; 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-folder; Touchscreen; Walk-up USB

Sustainable impact specifications	5% post-consumer recycled plastic; ENERGY STAR® certified; EPEAT® registered
Energy star certified	Yes
Ecolabels	CECP; IT ECO Declaration; Blue Angel; EPEAT® Gold registered; SEPA; KOECO; ENERGY STAR® certified
Blue Angel compliant	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
Copy speed (black, normal quality, A4)	Up to 52 cpm
Copy speed (color, normal quality, A4)	Up to 52 cpm
Copy speed black (normal, letter)	Up to 55 cpm
Copy speed color (normal, letter)	Up to 55 cpm
Copy speed black duplex (A4)	Up to 52 ipm
Copy speed black duplex (Letter)	Up to 55 ipm
Digital sending standard features	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
Fax Resolution Black (best)	Up to 300 x 300 dpi
Faxing	Optional
Scan speed (normal, A4)	Up to 76 ppm/152 ipm (b&w), up to 76 ppm/152 ipm (color)
Scan speed (normal, letter)	Up to 80 ppm/160 ipm (b&w), up to 80 ppm/160 ipm (color)
Scan file format	PDF; TIFF; MTIFF; Hi-Compression PDF; XPS; PDFA; JPEG[11]
Scan input modes	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
Scan technology	Charge Coupled Device (CCD) Flatbed; Contact Image Sensor (CIS) ADF
Scanner type	Flatbed ; ADF
Display area (imperial)	6.37 x 4.78 in
Display area (metric)	16.2 x 12.1 cm
Display	8.0 in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display
Minimum dimensions (W x D x H)	500 x 460 x 651 mm
Minimum dimensions (W x D x H)	19.7 x 18.1 x 25.6 in
Weight	~42.2 kg *(with supplies)*
Weight	~92.84 lb *(with supplies)*

Power consumption	717 watts (Printing/Copying), 63.4 watts (Ready), 1.1 watts (Sleep), 0.1 watts (Auto Off/Manual On), 0.1 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.)*
Power supply type	Built in 110V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier)
What's in the box	HP Color LaserJet Multifunction Printer; HP Black Original LaserJet Toner Cartridge (~9,000 yield), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (~6,000 yield each) (toner cartridges installed); Documentation (Hardware Install Guide); Power cord[2]
Manufacturer Warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to http://hp.com/support to learn about HP award winning service and support options in your region.

Additional specifications

ADF Capacity	Up to 150 pages
Acoustic power emissions (active scan)	6.9 B(A)
Acoustic power emissions (active, printing)	6.6 B(A)
Acoustic power emissions (ready)	3.4 B(A)
Acoustic power note	Acoustic values are subject to change. For current information see https://www.hp.com/support. Configuration tested: worst case configuration, simplex printing, A4 paper at an average of 62 ppm.
Acoustic pressure emissions bystander (active scan)	55 dB(A)
Acoustic pressure emissions bystander (active, printing)	55 dB(A)
Acoustic pressure emissions bystander (ready)	20 dB(A)
Auto fax reduction supported	Yes
Automatic document feeder capacity	Standard, 150 sheets
Automatic paper sensor	Yes
Bit depth	24-bit
Blue Angel footnote	[9] 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. Energy Star value typically based on measurement of 115V device and 230V for Blue Angel.
Bottom margin (A4)	4.3 mm
Business filter	cMPS
Capacity	500 GB
Cartons per layer	2
Certifications and compliances	UL/cUL (US/Canada); RCM (Australia); TUV and GS Mark (Germany); Department of Industrial Standards of Cambodia; Bureau of Standards, Metrology and Inspection Ministry of Economic Affairs - BSMI (Taiwan); Certificate of China Compulsory Product Certification - CCC (China); Bureau of Indian Standards - BIS Registration (India); PSB (Singapore); Eastern European country approvals; CE Marking; Other Safety & EMC Certification approvals as required by individual countries.
Color or black	Color
Color scanning	Yes
Compatible Network Operating Systems	Windows Server; SAP; Novell; UNIX; Citrix; Linux
Component type	Printer

Configurable items	HP Color LaserJet Enterprise MFP 6800dn Printer - Print: Up to 55 ppm black & 55 ppm color (letter); Up to 52 ppm color & 55 ppm black (A4); 80 ppm/160 ipm duplex, single-pass, dual-head scanning ADF; 650-sheets standard/3,300-sheets maximum paper input; 8 in (20.3 cm) color touch screen control panel; Up to 14,000 pages per month duty cycle; 6 GB RAM standard/maximum, 500 GB hard disk storage; Gigabit Ethernet with optional Dual-band Wireless, Wifi-Direct and BLE; 9k black/6k CMY starter toner cartridges
Control panel	8.0 in (20.3 cm) touchscreen with color graphics
Copier scaling (ADF)	25 to 200%
Copier settings	Book Copy; Booklet; Build Job; Collation; Color; Content orientation; Copy preview; Darkness control; Default Original Size; Edge Erase; Edge-to-Edge; ID Copy; Image adjustment; Job build; N or Z-ordering; Number of Copies; N-up; Original Size; Original Type; Paper Size; Paper Source; Paper type; Photo; Save Current Settings; Text; Text/Photo; Tray Selection; Two-sided copy; Watermark; reduce/enlarge; Scan mode (book, 2-sided ID); Stamps; Image overlay; Image preview; Paper selection; Scan to job storage; Automatically strainghten; Automatically detect color/monochrome
Copies, maximum	Up to 9999
Copy reduce / enlarge settings	25 to 400%
Copy resolution (black text)	Up to 600 x 600 dpi
Copy resolution (color text and graphics)	Up to 600 x 600 dpi
Copy speed color duplex (A4)	Up to 52 ipm
Copy speed color duplex (Letter)	Up to 55 ipm
Copy speed note	First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application and document complexity.
Count of layers in pallet	3
Distinctive ring detection supported	No

Downloadable software	From https://123.hp.com- HP Easy Start (Guided Software Install for Windows and Mac) From https://hp.com for Windows OS- Full-solution software and drivers; Basic-solution software and drivers; HP PCL6 XPS Discrete Print Driver; Product Documentation and Support; From https://hp.com for Mac OS-; HP Mac OS Print Driver; HP Easy Admin; HP Universal Fax Driver; HP Universal Scan Solution; For Mobile OS-; iOS For more information see https://hp.com/go/businessmobileprinting; Android For more information see https://hp.com/go/businessmobileprinting; From https://hp.com for printer administrators-; Printer Administrator Resource Kit (Driver Configuration; Utility - Driver Deployment Utility - Managed Printing Administrator); HP Universal Print Drivers PCL6 GDI & PS GDI for Windows For more information on the supported operating systems go to https://support.hp.com; SAP Print Drivers for more information see https://support.hp.com/us-en/document/c05051702; HP Web JetAdmin; Printer Driver for more information see https://hplipopensource.com/hplip-web/index.html; Unix Model Script Printer Driver. For more information on the supported operating systems go to https://support.hp.com; Enter your product name and search; Click on User Guides and enter your product name and search for User Guide; Search for your (Product Name) - User Guide; Search for the Supported Operating Systems section; Supported Operating systems; For more information on the supported operating systems also see www.hp.com/go/upd; HP Smart Suite- Basic (Only supported on Windows 10 and above); HP Smart Suite- Advanced (Only supported on Windows 10 and above); HP SmartApp (Only supported on Windows 10 and above); HP SmartDriver; HP PrintScanDr; HP WebJetAdmin + Workpath; HP Command Center; Chrome Extension; Android Plug-in;
Driver updates	Current HP printer drivers and software can be obtained from the HP Customer Care Web site: Go to https://www.hp.com/support/ (country/region may need to be selected) Select “Support” Select “Software and Drivers”; Select “Printer”; Enter a product name/number; (The operating system is automatically detected); Select a driver or other software; Select “Download” for the software desired;
Duplex ADF scanning	Yes
Duty cycle note	HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.
Dynamic security	Dynamic security enabled printer
Ecolabels footnote	[4] EPEAT® registered where applicable. EPEAT registration varies by country. See https://www.epeat.net for registration status by country.
Electromagnetic compatibility	CISPR 22:2008 (International) Class A, CISPR 32:2015 (International) Class A / EN 55032:2015 Class A + A11:2020, CISPR 35:2016 (International) / EN 55035:2017 + A11:2020, EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1:2019 + A2:2021, FCC 47 CFR Part 15 Class A, ICES-003, Issue 7 Class A. Other EMC approvals as required by individual countries.
Engine life	400000
Enhanced scanning resolution	Up to 600 dpi
Envelope Feeder	No
FCC Class A emissions	FCC Class A emissions - for use in commercial environments, not residential environments
Fax Auto Redial	Yes

Fax Broadcast Locations	0
Fax PC Interface Supported	Yes
Fax Polling	Yes (poll to receive only)
Fax Remote Retrieval	No
Fax Speed Dials, Maximum Number	Up to 1000 numbers
Fax Transmission Speed	Up to 33.6 kbps
Fax Transmission Speed Note	[5] Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.
Fax delayed sending	No
Fax forwarding	Yes (with optional analog fax accessory)
Fax memory	Up to 1000 pages
Fax memory	Up to 1000 pages
Fax phone TAM interface supported	No
Fax resolution black	Up to 203 x 196 dpi
Fax telephone mode supported	No
Fax transmission speed (letter)	3 sec per page[5]
File Format Supported	Hi-Compression PDF; PDF; MTIFF; TIFF; PDF/A; XPS; JPEG
Finished output handling	Sheet fed
First copy out black (A4)	As fast as 6.4 sec
First copy out black (A4, sleep)	As fast as 9.8 sec
First copy out black (letter)	As fast as 6.3 sec
First copy out black (letter, sleep)	As fast as 9.7 sec
First copy out color (A4)	As fast as 7.1 sec
First copy out color (A4, sleep)	As fast as 11.3 sec
First copy out color (letter)	As fast as 7.0 sec
First copy out color (letter, sleep)	As fast as 11.2 sec
First page out black (A4, ready)	As fast as 6.2 sec
First page out black (A4, sleep)	As fast as 9.4 sec
First page out black (letter, ready)	As fast as 6.0 sec
First page out black (letter, sleep)	As fast as 9.3 sec
First page out color (A4, ready)	As fast as 6.8 sec
First page out color (A4, sleep)	As fast as 9.9 sec
First page out color (letter, ready)	As fast as 6.5 sec
First page out color (letter, sleep)	As fast as 9.8 sec

First page out footnote	[8] Measured using ISO/IEC 17629. For more information see https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
Fonts and typefaces	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP Postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at http://www.hp.com/go/laserjetfonts
Input capacity	Up to 650 sheets
Internal Storage	Standard, minimum 500 GB HDD; Optional, 256 GB SSD (via CTO)
Junk fax barrier	Yes, up to 30 numbers may be blocked
Left margin (A4)	4.3 mm
Levels of grayscale	256
Mac compatible	Yes
Maximum Input Capacity (envelopes)	Up to 10 envelopes
Maximum Memory	6 GB
Maximum dimensions (W x D x H)	33.9 x 32.3 x 35.3 in
Maximum dimensions (W x D x H)	860 x 820 x 896 mm
Maximum input capacity (sheets)	Up to 3300 sheets
Maximum metric depth	820 mm
Maximum metric height	896 mm
Maximum metric width	860 mm
Maximum output capacity (sheets)	Up to 500 sheets
Maximum print area	207.4 x 1191.4 mm
Media size (ADF)	Letter; legal; oficio; executive; statement; 16K; A4; RA4; A5; A6; B5; B6 (JIS); Postcard (JIS); DPostcard (JIS); 4 x 6 in; 5 x 7 in; 5 x 8 in; 68 x 147 mm to 215.9 x 863.6 mm; 2.68 x 5.79 in to 8.46 x 34 in
Media size, tray 1	A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio 216 x 340, 16k, Postcard (JIS), DPostcard (JIS), Envelopes (DL, C5, B5, C6); custom 64 x 127 to 216 x 1200 mm
Media size, tray 2	A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio 216 x 340, 16k, DPostcard (JIS); custom 101 x 148 to 216 x 356 mm
Media size, tray 3	optional 1x550-sheet feeders: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio 216 x 340, 16k, DPostcard (JIS); custom 101 x 148 to 216 x 356 mm; optional 2,100-sheet high-capacity feeder: A4; A5 (with optional accessory)
Media sizes supported	Tray 1: A4, A5, A6, RA4, B5, B6, 16k, 10 x 15 cm, Oficio, postcards (JIS single and double) envelopes (DL, C5, B5, C6); Tray 2, optional 1x550-sheet feeders: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio, 16k, Dpostcard (JIS); optional 2,100-sheet high-capacity feeder: A4; A5 (with optional accessory)

Media sizes supported	Tray 1: letter, legal, executive, statement, Oficio, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, envelopes (No. 9, No. 10, Monarch); Tray 2, optional 1x550-sheet feeders: letter, legal, executive, statement, Oficio, 4 x 6 in, 5 x 7 in, 5 x 8 in; optional 2,100-sheet high-capacity feeder: letter, legal; statement (with optional accessory)
Media sizes supported, key	A4
Media sizes supported, key	Letter; Legal
Media sizes, custom	Tray 1: 64 x 127 to 216 x 1200 mm; Tray 2, optional 1x550-sheet feeders: 101 x 148 to 216 x 356 mm; optional 2,100-sheet high-capacity feeder: custom sizes not supported in this tray
Media sizes, custom	Tray 1: 2.52 x 5 to 8.5 x 47.24 in; Tray 2, optional 1x550-sheet feeders: 4 x 5.83 to 8.5 x 14 in; optional 2,100-sheet high-capacity feeder: custom sizes not supported in this tray
Media type and capacity, ADF	Sheets: 150
Media type and capacity, tray 1	Paper: 100 sheets of 75 g/m² media; Envelopes: 10
Media type and capacity, tray 2	Paper: 550 sheets
Media types	Paper (plain, light, intermediate, light bond, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), color transparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough, opaque film, user-defined
Media weight (tray 1)	60 to 220 g/m² (plain), 120 to 220 g/m² (glossy)
Media weight (tray 2)	60 to 220 g/m² (plain); 120 to 220 g/m² (glossy)
Media weight, supported	Tray 1: 60 to 220 g/m² (plain), 120 to 220 g/m² (glossy); Tray 2: 60 to 220 g/m² (plain), 120 to 220 g/m² (glossy); optional 550-sheet input trays: 60 to 220 g/m² (plain), 120 to 220 g/m² (glossy); optional 2,100-sheet high-capacity input: 60 to 220 g/m² (plain)
Media weight, supported	Tray 1: 16 to 58 lb (plain), 32 to 58 lb (glossy); Tray 2: 16 to 58 lb (plain), 32 to 58 lb (glossy); optional 550-sheet input trays: 16 to 58 lb (plain), 32 to 58 lb (glossy); optional 2,100-sheet high-capacity input: 16 to 58 lb (plain)
Media weights, supported ADF	45 to 199 g/m²
Media weights, supported ADF	12 to 53 lb
Memory	6 GB
Memory Slots	None
Metric depth	460 mm
Metric height	651 mm
Metric width	500 mm
Minimum System Requirements	2 GB available hard disk space; Internet connection; or USB port; Internet browser. For additional OS hardware requirements see microsoft.com;
Minimum System Requirements for Macintosh	2 GB available hard drive space; Internet connection; or USB port; Internet browser. For additional OS hardware requirements see apple.com;
Model number	6800dn
Native scan file format	PDF, JPG, TIF, MTIF

Number of print cartridges	4 (1 each black, cyan, magenta, yellow)
Number of users	10-30 Users
Operating humidity range	10 to 80% RH
Operating temperature range	10 to 32.5°C
Operating temperature range	50 to 91°F
Orderable supplies	HP LaserJet Toner Collection Unit 527F9A; HP LaserJet 110V Enhanced Fuser Kit 527G2A; HP LaserJet 220V Enhanced Fuser Kit 527G3A; HP LaserJet Image Transfer Belt 527G8A; HP LaserJet Image Transfer Belt Kit 527G9A; HP LaserJet Tray 2 Roller Kit 527H2A; HP LaserJet MP Tray Roller Kit 527H3A; HP LaserJet ADF Maintenance Kit 6H122A; HP LaserJet ADF Flow Maintenance Kit 6M1P3A
Output capacity	Up to 500 sheets
Package dimensions (W x D x H)	598 x 798 x 680 mm
Package dimensions (W x D x H)	23.5 x 31.4 x 26.8 in
Package weight	~101.64 lb
Package weight	~46.2 kg
Page yield (set-up/inbox cartridges)	~9,000 pages black, ~6,000 pages cyan, magenta, yellow composite yield
Pallet dimensions	31.5 x 47.24 x 85.31 in
Pallet dimensions (W x D x H)	800 x 1200 x 2167 mm
Pallet weight	292.2 kg
Pallet weight	642.84 lb
Paper handling input, optional	optional 550-sheet input trays (up to 3), optional 2,100-sheet high capacity input
Paper handling input, standard	550-sheet input tray, 100-sheet multi-purpose tray
Paper trays, maximum	up to 5
Paper trays, standard	2
Power	Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 12 A; Input voltage: 220 V to 240V nominal, (+/-10%) 50 - 60Hz nominal (+/- 3Hz), 6 A
Print Technology	Laser
Print colors	Yes
Print languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation, native PDF printing (v 1.7), URF (AirPrint)
Print quality black (normal)	Up to 600 x 600 dpi
Print resolution black (fine lines)	Up to 1200 x 1200 dpi
Print resolution color (fine lines)	Up to 1200 x 1200 dpi
Print resolution color (normal)	Up to 600 x 600 dpi
Print speed black (Landscape, A5)	Up to 84 ppm
Print speed black (Portrait, A5)	Up to 72 ppm

Print speed color (Landscape, A5)	Up to 84 ppm
Print speed color (Portrait, A5)	Up to 72 ppm
Print speed duplex (A4)	Up to 52 ipm
Print speed duplex (A4)	Up to 52 ipm
Print speed duplex (letter)	Up to 55 ipm
Print speed duplex (letter)	Up to 52 ipm
Print speed footnote (A5)	[6] Measured using ISO/IEC 24734 Feature Performance Test, excludes first set of test documents. For more information see https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
Print speed footnote number (A5)	[6]
Print technology	Laser
Printer Management	HP Web JetAdmin; Embedded Web Server; HP Security Manager; HP Insights; HP Advance; HP Command Center; HP Smart Device Services (SDS)
Printer black pages (MPV black)	1980
Printer color pages (MPV color)	1320
Processor speed	1.6 GHz
Product long name specifications	HP Color LaserJet Enterprise MFP 6800dn Printer, Color Printer for Business, Print, copy, scan, fax (optional), Wireless; Print from phone or tablet; Automatic document feeder; Two-sided printing; Two-sided scanning; Scan to email; Scan to PDF; Front USB flash drive port; Optional high-capacity trays; Touchscreen; TerraJet cartridge; Optional Fax; Optional Convenience Stapling; Optional single position Stapling
Product short name specifications	HP LaserJet Enterprise 6800dn Multifunction Color Printer, Ethernet Only; Copier, Scanner
Quantity per pallet	6
RMN number	BOISB-2002-02
Recommended media weight (duplex)	60 to 163 g/m² (plain); 120 to 220 g/m² (glossy)
Recommended media weight (duplex)	16 to 90 lb (plain); 32 to 58 lb (glossy)
Recommended monthly page volume	2000 to 14,000
Recommended monthly page volume note	HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.
Recommended monthly scan volume note	HP recommends that the number of scanned pages per month be within the stated range for optimum device performance
Recommended operating humidity range	30 to 70% RH

Recommended operating temperature range	15 to 27°C
Recommended operating temperature range	59 to 80.6°F
Replacement cartridges footnote	[3] 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
Resolution	Up to 600 dpi
Resolution (black and white, standard mode)	200 x 100 dpi
Resolution (black and white, superfine mode)	Up to 300 x 300 dpi
Resolution (black photo grayscale)	300 x 300 dpi (halftone)
Right margin (A4)	4.3 mm
Safety	IEC 60950-1:2005 +A1:2009 +A2:2013 (International); IEC 62368-1:2014; EN 62368-1:2014(EU); EN 60825-1:2014 +A11:2021/IEC 60825-1:2014 (Class 1 Laser Product); EN 62479:2010/IEC 62479:2010; IEC 62471:2006 / EN 62471:2008; Low Voltage Directive 2014/35/EU with CE Mark (Europe); GS Certificate (Germany, Europe); UL/cUL Listed and UC CoC (US/Canada); UL62368-1 2nd Ed. 2014-12-01, CSA C22.2 No. 62368-1-14, 2nd Ed.; Compliance with Laser safety standards 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser notice No. 56, Dated May 8, 2019; Other safety approvals as required by individual countries.
Scan file format footnote	[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)
Scan resolution, hardware	Up to 600 x 600 dpi
Scan resolution, optical	Up to 600 dpi
Scan size (ADF), maximum	215.9 x 863.6 mm
Scan size (ADF), maximum	8.5 x 34.0 in
Scan size (ADF), minimum	2.7 x 5 in
Scan size (ADF), minimum	68 x 127 mm
Scan size, maximum	216 x 356 mm
Scan size, maximum	8.5 x 14 in
Scan speed duplex (normal, A4)	Up to 152 ipm (b&w), up to 152 ipm (color)
Scan speed duplex (normal, letter)	Up to 160 ipm (b&w), up to 160 ipm (color)
Scan speed footnote	[10] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

Security management	Identity management: Kerberos authentication; LDAP authentication; 1000 user PIN codes; optional HP and 3rd party advanced authentication solutions (e.g.; badge readers); Network: IPsec/firewall with Certificate; Pre-Shared Key; and Kerberos authentication; Supports WJA-10 IPsec configuration Plug-in; 802.1X authentication (EAP-PEAP; EAP-TLS); SNMPv3; HTTPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft); Secure Erase; SSL/TLS (HTTPS); Encrypted Credentials; Device: Security lock slot; USB port disablement; hardware integration pocket for security solutions; Hardware-based Memory ShieldTM with Control Flow Integrity (CFI) in-device monitoring for attacks; SureStart Secure Boot - BIOS Integrity Checking with self-healing capability; Whitelisting - loads only known good code (DLLs, EXEs, ...); Security management: Compatible with Device Security Syslog Messages processed and accessable in Arcsight and Splunk SIEMs
Software scan file format	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)
Standard media sizes (duplex)	A4; A5; B5 (JIS); RA4; 16K; Oficio (216 x 340 mm)
Standard media sizes (duplex, imperial)	Letter; Legal; Executive; Oficio (8.5 x 13 in)
Storage	500 GB hard disk drive
Storage device and direct print support	Wi-Fi Direct; USB Printing; Front-facing USB/Flash drive; Walk-up USB printing
Storage temperature range	-4 to 104ºF
Storage temperature range	-20 to 40ºC
Target user and print volume	For teams over 25 users; Prints up to 14,000 pages/month
Tariff numbers	8443310000(AM-Base-HTS); 8443310000(EU-Base-HTS); 84433121(AP-Base-HTS)
Telephone handset supported	No
Top key features	Automatic document feeder; Optional high-capacity trays; Touchscreen; TerraJet cartridge
Top margin (A4)	4.3 mm
Tray capacity	Up to 3300 pages
Twain version	Version 2.4
Typical electricity consumption (TEC) number	0.709 kWh/week (Energy Star 3.0); 0.659 kWh/week (Blue Angel)
UNSPSC code	43212110
UPC number	(201) 196068586782; (460) 196068586799; (AB0) 196068586812; (AB2) 196068586829; (ABJ) 196068586836; (ABT) 196068586843; (ABY) 196068586850; (AC4) 196068586867; (AC8) 196068586874; (ACJ) 196068586881; (ACQ) 196068586898; (AKV) 196337738683; (B13) 196068586911; (B19) 196068586928; (BAZ) 196068586942; (BBU) 196068586959; (BGJ) 196068586973; (BGM) 196068586980
What is in the box footnote	[2] 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.

[1] 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" touchscreen control panel, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, print preview

[2] 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.

[3] 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

[5] Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.

[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)

Ink/Toner/Paper/Printer Supplies

HP Laser Toner Cartridges and Kits

★ : Recommended

HP Color Laser Toner Printer Cartridges

HP 213A Black Original LaserJet Toner Cartridge	W2130A
HP 213A Cyan Original LaserJet Toner Cartridge	W2131A
HP 213A Magenta Original LaserJet Toner Cartridge	W2133A
HP 213A Yellow Original LaserJet Toner Cartridge	W2132A
HP 213X High Yield Black Original LaserJet Toner Cartridge	W2130X
HP 213X High Yield Cyan Original LaserJet Toner Cartridge	W2131X
HP 213X High Yield Magenta Original LaserJet Toner Cartridge	W2133X
HP 213X High Yield Yellow Original LaserJet Toner Cartridge	W2132X
HP 213Y Extra High Yield Black Original LaserJet Toner Cartridge	W2130Y
HP 213Y Extra High Yield Cyan Original LaserJet Toner Cartridge	W2131Y
HP 213Y Extra High Yield Magenta Original LaserJet Toner Cartridge	W2133Y
HP 213Y Extra High Yield Yellow Original LaserJet Toner Cartridge	W2132Y
HP 217Z Ultra High Yield Black Original LaserJet Toner Cartridge	W2170Z
HP 217Z Ultra High Yield Cyan Original LaserJet Toner Cartridge	W2171Z
HP 217Z Ultra High Yield Magenta Original LaserJet Toner Cartridge	W2173Z
HP 217Z Ultra High Yield Yellow Original LaserJet Toner Cartridge	W2172Z

HP Laser Printer Supply Kits

HP LaserJet ADF Flow Maintenance Kit	6M1P3A
HP LaserJet ADF Maintenance Kit	6H122A
HP LaserJet Image Transfer Belt	527G8A
HP LaserJet Image Transfer Belt	527G9A
HP LaserJet MP Tray Roller Kit	527H3A
HP LaserJet Toner Collection Unit	527F9A
HP LaserJet Tray 2 Roller Kit	527H2A

HP Home & Office Papers

HP Home & Office Papers for laser and inkjet

HP MultiPurpose20TM, 20 lb, 11 x 17 in. (279 x 432 mm), 250 sheets	HPM1720P
HP MultiPurpose20TM, 20 lb, 8.5 x 11 in. (216 x 279 mm), 500 sheets	HPM1120R

HP MultiPurpose20TM, 20 lb, 8.5 x 14 in. (216 x 356 mm), 500 sheets	HPM1420P

Accessories

Printer Accessories

★ : Recommended

LaserJet Options

HP 500GB CCC, FIPS Hard Disk Drive	9EQ11A
HP Color LaserJet Aurora Purple Storage Stand	65A40A
HP Color LaserJet Comet Red Storage Stand	65A41A
HP Color LaserJet Constellation Yellow Storage Stand	65A38A
HP Color LaserJet Cosmic Green Storage Stand	65A39A
HP Color LaserJet Lunar Gray Storage Stand	65A42A
HP Color LaserJet Storage Stand	6QN55A
HP LaserJet 512 GB SED-TAA Full Kit SSD	766R7A
HP LaserJet A5 HCI Guide Kit	616G9A
HP LaserJet Statement HCI Guide Kit	616H0A

Accessory Bundles

Printer Accessibility Accessories

HP Accessibility Kit	2TD64A
HP Printing Voice Assistant	478C2A

Data Security Accessories

HP Removable Hard Drive Enclosure	2NR12A

Paper Handling

Input Trays

HP Color LaserJet 2100 HCI Feeder and Stand	6QN58A
HP Color LaserJet 550-sheet Media Tray	6QN57A
HP Color LaserJet Aurora Purple 2100 sheet High Capacity Paper Tray/Stand	65A35A
HP Color LaserJet Aurora Purple 550 sheet Paper Tray	65A30A
HP Color LaserJet Comet Red 2100 sheet High Capacity Paper Tray/Stand	65A36A
HP Color LaserJet Comet Red 550 sheet Paper Tray	65A31A
HP Color LaserJet Constellation Yellow 2100 sheet High Capacity Paper Tray/Stand	65A33A
HP Color LaserJet Constellation Yellow 550 sheet Paper Tray	65A28A

HP Color LaserJet Cosmic Green 2100 sheet High Capacity Paper Tray/Stand	65A34A
HP Color LaserJet Cosmic Green 550 sheet Paper Tray	65A29A
HP Color LaserJet Lunar Gray 2100 sheet High Capacity Paper Tray/Stand	65A37A
HP Color LaserJet Lunar Gray 550 sheet Paper Tray	65A32A

Cabinets and Stands

Printer Cabinets and Stands

HP Color LaserJet Stand	6QN54A

Cables/Cable Kits/Cable Adapters

Printer Cables

HP Foreign Interface Harness	B5L31A

Security and Protection

Smart Cards and SmartCard Readers

HP HIP2 Keystroke Reader	Y7C05A
HP Legic Secure USB Reader	4QL32A
HP SmartCard NIPRNet Solution for US Government	CC543B
HP SmartCard SIPRNet Solution for US Government	F8B30A
HP USB Universal Card Reader	X3D03A

Network Print Servers

External Print Servers

HP Jetdirect 3100w BLE/NFC/Wireless Accessory	3JN69A

Internal Print Servers

HP Jetdirect LAN Accessory	8FP31A

Fax Accessories

Fax Accessories and Options

HP MFP Analog Fax 702 Accessory	1M0Q0A
HP MFP Analog Fax 703 Accessory	1M0Q1A

Expansion Solution and Controller Cards

Expansion Packs and Solutions

Internal USB Expansion Kit	4XN67A

Solutions

Imaging and Printing Solutions

★ : Recommended

Printing SW Solution Licenses

HP HID Mobile Access Mifare DES Fire Keystroking Reader	35H11A

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