

HP DesignJet HD Pro 2 44-in MFP (2QX51E)



Overview

High-definition graphics 44-in MFP for technical and graphics applications—fast and secure

Quickly print and scan maps, drawings, POP graphics/displays, posters, photos, and more with the HP DesignJet HD Pro 2 44-in MFP. See high-quality results delivered efficiently and securely.

PRECISE—Excellent reproduction with CCD technology

Reproduce colors with excellent accuracy with CCD technology that enables high-quality color scanning/copying.

SECURE—Protect your work and your information

Protect printers/data from unauthorized access with HP Secure Boot, whitelisting, 500 GB encrypted hard disk.

FAST—HD scanner designed to streamline workflows

Scan fast—up to 13 inches (33 cm) per second in either color or monochrome.

Specifications

Print quality color (best)	Up to 2400 x 1200 optimized dpi
Functions	Print, copy, scan
Connectivity, standard	Printer: Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified interface for direct printing from USB flash drive; Scanner: Gigabit Ethernet (1000Base-T), USB 3.1 gen 1 (3+1) and USB 2.0 (1) rear
Software included	Printer drivers, HP Click, HP Web Jetadmin, HP JetAdvantage Security Manager, HP DesignJet Utility including HP Color Center, HP MPS, integrated software with scan and copy enhancement features
Scan file format	PDF, PDF/A, TIFF, JPEG, JPEG2000, DWF, CALS (B&W), multi-page PDF generation
Scan input modes	File, email, USB, HDD, network folder, FTP, print
Scanner type	CCD scanning technology and LED-based illumination system
Minimum dimensions (W x D x H)	Printer: 1802 x 695 x 998 mm; Scanner: 1530 x 930 x 1660 mm
Minimum dimensions (W x D x H)	Printer: 70.9 x 27.4 x 39.3 in; Scanner: 60 x 37 x 65 in
Weight	Printer: 96 kg; Scanner: 71 kg
Weight	Printer: 211 lb; Scanner: 157 lb
Power consumption	Printer: <100 W (printing); <32 W (ready); <0.3 W (<6.5 W with embedded Digital Front End) (sleep); 0.1 W (off); Scanner: 130 W (scanning); 39 W (ready); <1 W (sleep)
Environmental certification	Printer: ENERGY STAR; ErP; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT; Scanner: ENERGY STAR; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT
What's in the box	Printer: HP DesignJet Z6dr 44-in PostScript Printer with V-Trim, printheads, introductory ink cartridges, printer stand and media bin, spindle, 3-in core adapter, quick reference guide, setup poster, power cord; Scanner: HP HD Pro 2 42-in Scanner, stand, touchscreen (panel PC), quick reference guide, media guides, setup poster, maintenance sheet, copy/scan software, documentation software, Ethernet cable, USB cable, power cords
Manufacturer Warranty	One-year limited hardware warranty

Additional specifications

Accessories	CN538A HP DesignJet 3-in Core Adapter;N7P47A HP USB 3.0 to Gigabit LAN Adapter;P7V13A HP Pro Scanner Output Delivery Tray;Q6709A HP DesignJet 44-in Spindle;1QF38A HP DesignJet 44-in Take-up Reel
Acoustic power emissions (active, printing)	Printer: 6.3 B(A) (operating), 5.1 B(A) (idle), <3.9 B(A)(sleep); Scanner: 6.4 B(A) (operating), <3.9 B(A) (idle), <3.9 B(A) (sleep)
Acoustic pressure emissions	Printer: 45 dB(A) (operating), 33 dB(A) (idle), <16 dB(A)(sleep); Scanner: 48 dB(A) (operating), <22 dB(A) (idle), <22 dB(A) (sleep)
Color(s) of printing supplies	Cyan, magenta, yellow, matte black, photo black, chromatic red
Copier settings	Type of original, image crop and align preview, lightness, saturation and RGB controls, white point and black point adjust, sharpen/blur, mirror copy, enlarge/reduce, paneling, tiling, nesting, accounting, batch, multipage PDF generation, invert, collate copy with reprint
Dynamic security	Dynamic security enabled printer
Electromagnetic compatibility	Printer: Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC), South Africa (SABS); Scanner: Compliance for Class A ITE products: EU (EMC Directive), USA (FCC Rules), Canada (ICES), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (MSIP), Taiwan (BSMI), Russia (EAC)
Enhanced scanning resolution	9600 dpi
Finished output handling	Printer: Two automatic roll feeds, smart roll-switching, top sheet feed, media output bin, automatic horizontal cutter and vertical trimmer (cuts all HP Z-series printer-qualified media, including most canvas); Scanner: Straight-through scan paper path for sheet and cardboard originals, adjustable paper pressure for very thin media. Face-down, front entry, rear exit, rewind to front, use document return guide for front-return. Automatic high adjustment of scanner bridge for thick originals up to 15 mm (0.6 in) thickness.
Ink drop	7/3 pl dual-drop weight (M, C, PK); 6 pl single-drop weight (Y, CR, MK)
Ink types	Pigment-based
Interface	15.6" (396-mm) large touchscreen to preview and enhance images
Internal Storage	Printer: 500 GB self-encrypting; Scanner: 256 GB
Linear scan speed	Color: Up to 33 cm/sec; Grayscale: up to 33 cm/sec[3]
Linear scan speed	Color: Up to 13 in/sec; Grayscale: up to 13 in/sec[3]
Maximum media thickness	15 mm
Media sizes standard (metric rolls)	279 to 1118-mm
Media sizes standard (sheets, rolls)	11 to 44-in
Media sizes supported	A4, A3, A2, A1, A0
Media sizes supported	A, B, C, D, E
Media sizes, custom	210 x 279 to 1118 x 1676 mm

Media sizes, custom	8.3 x 11 to 44 x 66 in
Media thickness	0.6 in
Media thickness	Up to 31.5 mil
Media thickness (metric)	Up to 0.8 mm
Media types	Printer: Photographic, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit; Scanner: Non-abrasive paper, vellum, Mylar, sepia, blueprints, plastic, film, plastic laminate, foam board, cardboard, newspaper, tracing paper. Varying condition documents: old, delicate, folded, creased, crumpled, damaged originals (no plywood, stone plates, metal plates or abrasive, dirty, rough, sharp edged, metal clamped, or burned surfaces or transparencies)
Media width, maximum	44 in
Media width, maximum	1118 mm
Memory	Printer: 128 GB (file-processing)[4]; Scanner: 8 GB
Model size	Printer: 44 in; Scanner: 42 in
Model size	Printer: 1118 mm; Scanner: 1067 mm
Network ready	Standard
Non-printable area (cut-sheet)	5 x 17 x 5 x 5 mm
Non-printable area (cut-sheet)	0.2 x 0.67 x 0.2 x 0.2 in
Non-printable area (roll media)	Borderless on all media with V-Trimmer[2]
Non-printable area (roll media)	Borderless on all media with V-Trimmer[2]
Number of print cartridges	6 (cyan, magenta, yellow, matte black, photo black, chromatic red)
Operating humidity range	20 to 80% RH
Operating temperature range	5 to 35°C
Operating temperature range	41 to 95°F
Package dimensions (W x D x H)	1950 x 766 x 1260 mm
Package dimensions (W x D x H)	77 x 30 x 50 in
Package weight	511 lb
Package weight	232 kg
Playbook TS icon dimensions AiO	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192862.png
Power	Printer: Input voltage (auto ranging) 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max; Scanner: Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz, 5 A max
Print Technology	Ink
Print cartridge volume delivered	300 ml
Print head nozzles	2112 per color; 12,672 in total
Print heads	3 universal printheads (valid for all colors)
Print languages	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL

Print speed	Fast-Economode: 866 ft ² /hr on plain media; Normal: 202 ft ² /hr on coated media; Best: 104 ft ² /hr on glossy media[1]
Print speed	Fast-Economode: 80.5 m ² /hr on plain media; Normal: 18.8 m ² /hr on coated media; Best: 9.7 m ² /hr on glossy media[1]
Print technology	HP Thermal Inkjet
Printer drivers included	Printer: Raster and PostScript drivers for Windows and macOS; PDF driver for Windows 8 and above; Scanner: Windows drivers for compatible HP PageWide XL and HP DesignJet Printers
Product logos	Adobe PostScript 3; Adobe PDF Print Engine 4; CE Marking; EPEAT; Gold IPv6 Ready; Intel Inside Core i5; Mac; PANTONE Digital Color; Windows 10 Compatible
Recommended media	HP Universal Instant-dry Satin Photo Paper (FSC® certified)[5] (Recyclable)[6]; HP Artist Matte Canvas; HP Heavyweight Coated Paper (FSC® certified)[5] (Recyclable)[6]; HP Everyday Matte Polypropylene (Recyclable)[6]; HP Premium Matte Photo Paper (FSC® certified)[5] (Recyclable)[6]
Roll external diameter	135 mm
Roll external diameter	5.3 in
Roll maximum input	2
Roll maximum weight	13.5 kg
Roll maximum weight	29.8 lb
Safety	Printer: USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia, Belarus, Khazakstan (EAC); Singapore (PSB); China (CCC); Argentina (IRAM); India (BIS); Scanner: USA and Canada (UL certified); EU (LVD and EN 60950-1 compliant); Russia (EAC); Singapore (PSB); China (CCC); Argentina (IRAM); Mexico (NYCE); Korea (KC)
Scan resolution, optical	1200 dpi
Scan size, maximum	1067 mm
Scan size, maximum	42 in
Scan size, minimum	6 x 4.5 in
Scan size, minimum	152 x 114 mm
Storage temperature range	-13 to 131°F
Storage temperature range	-25 to 55°C
Supported Primary Applications	Banners; Exhibition and event graphics; Light boxes - film; Maps; Orthophotos; Point of sale/display; Posters
UNSPSC code	43212104
UPC number	(ABA) 194441079982; (B1K) 193905111145
Web address for additional information	http://www.hp.com/go/DesignJet-HD-Pro-2-MFP

Ink Supplies

★ : Recommended

HP Graphic Arts Inks/Printheads

HP 746 2-pack 300-ml Chromatic Red DesignJet Ink Cartridges	1XA51A
HP 746 2-pack 300-ml Cyan DesignJet Ink Cartridges	1XA50A
HP 746 2-pack 300-ml Magenta DesignJet Ink Cartridges	1XA48A
HP 746 2-pack 300-ml Matte Black DesignJet Ink Cartridges	1XA53A
HP 746 2-pack 300-ml Photo Black DesignJet Ink Cartridges	1XA52A
HP 746 2-pack 300-ml Yellow DesignJet Ink Cartridges	1XA49A
HP 746 300-ml Chromatic Red DesignJet Ink Cartridge	P2V81A
HP 746 300-ml Cyan DesignJet Ink Cartridge	P2V80A
HP 746 300-ml Magenta DesignJet Ink Cartridge	P2V78A
HP 746 300-ml Matte Black DesignJet Ink Cartridge	P2V83A
HP 746 300-ml Photo Black DesignJet Ink Cartridge	P2V82A
HP 746 300-ml Yellow DesignJet Ink Cartridge	P2V79A
HP 746 DesignJet Printhead	P2V25A
HP 746B 300-ml Cyan DesignJet Ink Cartridge	3WX36A
HP 746B 300-ml Magenta DesignJet Ink Cartridge	3WX37A
HP 746B 300-ml Photo Black DesignJet Ink Cartridge	3WX35A
HP 746B 300-ml Yellow DesignJet Ink Cartridge	3WX38A
HP 746D 300-ml Chromatic Red DesignJet Ink Cartridge	1XA57A
HP 746D 300-ml Cyan DesignJet Ink Cartridge	1XA56A
HP 746D 300-ml Magenta DesignJet Ink Cartridge	1XA54A
HP 746D 300-ml Matte Black DesignJet Ink Cartridge	1XA59A
HP 746D 300-ml Photo Black DesignJet Ink Cartridge	1XA58A
HP 746D 300-ml Yellow DesignJet Ink Cartridge	1XA55A

Accessories

Paper Handling

★ : Recommended

Roll Core Adapters

HP DesignJet 3-in Core Adapter	CN538A
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Spindles

HP DesignJet 44-in Spindle	Q6709A
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Take-up Reels

HP DesignJet 44-in Take-up Reel	1QF38A
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Output Trays and Stackers

HP Pro Scanner Output Delivery Tray	P7V13A
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