



# 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

<b>Print quality color (best)</b>	Up to 2400 x 1200 optimized dpi
<b>Functions</b>	Print, copy, scan
<b>Connectivity, standard</b>	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
<b>Software included</b>	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
<b>Scan file format</b>	PDF, PDF/A, TIFF, JPEG, JPEG2000, DWF, CALS (B&W), multi-page PDF generation
<b>Scan input modes</b>	File, email, USB, HDD, network folder, FTP, print
<b>Scanner type</b>	CCD scanning technology and LED-based illumination system
<b>Minimum dimensions (W x D x H)</b>	Printer: 1802 x 695 x 998 mm; Scanner: 1530 x 930 x 1660 mm
<b>Minimum dimensions (W x D x H)</b>	Printer: 70.9 x 27.4 x 39.3 in; Scanner: 60 x 37 x 65 in
<b>Weight</b>	Printer: 96 kg; Scanner: 71 kg
<b>Weight</b>	Printer: 211 lb; Scanner: 157 lb
<b>Power consumption</b>	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)
<b>Environmental certification</b>	Printer: ENERGY STAR; ErP; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT; Scanner: ENERGY STAR; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT
<b>What's in the box</b>	Printer: HP DesignJet Z6dr 44-in PostScript Printer with V-Trimmer, 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
<b>Manufacturer Warranty</b>	One-year limited hardware warranty

## Additional specifications

<b>Accessories</b>	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
<b>Acoustic power emissions (active, printing)</b>	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)
<b>Acoustic pressure emissions</b>	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)
<b>Color(s) of printing supplies</b>	Cyan, magenta, yellow, matte black, photo black, chromatic red
<b>Copier settings</b>	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
<b>Dynamic security</b>	Dynamic security enabled printer
<b>Electromagnetic compatibility</b>	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)
<b>Enhanced scanning resolution</b>	9600 dpi
<b>Finished output handling</b>	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.
<b>Ink drop</b>	7/3 pl dual-drop weight (M, C, PK); 6 pl single-drop weight (Y, CR, MK)
<b>Ink types</b>	Pigment-based
<b>Interface</b>	15.6" (396-mm) large touchscreen to preview and enhance images
<b>Internal Storage</b>	Printer: 500 GB self-encrypting; Scanner: 256 GB
<b>Linear scan speed</b>	Color: Up to 33 cm/sec; Grayscale: up to 33 cm/sec[3]
<b>Linear scan speed</b>	Color: Up to 13 in/sec; Grayscale: up to 13 in/sec[3]
<b>Maximum media thickness</b>	15 mm
<b>Media sizes standard (metric rolls)</b>	279 to 1118-mm
<b>Media sizes standard (sheets, rolls)</b>	11 to 44-in
<b>Media sizes supported</b>	A4, A3, A2, A1, A0
<b>Media sizes supported</b>	A, B, C, D, E
<b>Media sizes, custom</b>	210 x 279 to 1118 x 1676 mm

<b>Media sizes, custom</b>	8.3 x 11 to 44 x 66 in
<b>Media thickness</b>	0.6 in
<b>Media thickness</b>	Up to 31.5 mil
<b>Media thickness (metric)</b>	Up to 0.8 mm
<b>Media types</b>	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)
<b>Media width, maximum</b>	44 in
<b>Media width, maximum</b>	1118 mm
<b>Memory</b>	Printer: 128 GB (file-processing)[4]; Scanner: 8 GB
<b>Model size</b>	Printer: 44 in; Scanner: 42 in
<b>Model size</b>	Printer: 1118 mm; Scanner: 1067 mm
<b>Network ready</b>	Standard
<b>Non-printable area (cut-sheet)</b>	5 x 17 x 5 x 5 mm
<b>Non-printable area (cut-sheet)</b>	0.2 x 0.67 x 0.2 x 0.2 in
<b>Non-printable area (roll media)</b>	Borderless on all media with V-Trimmer[2]
<b>Non-printable area (roll media)</b>	Borderless on all media with V-Trimmer[2]
<b>Number of print cartridges</b>	6 (cyan, magenta, yellow, matte black, photo black, chromatic red)
<b>Operating humidity range</b>	20 to 80% RH
<b>Operating temperature range</b>	5 to 35°C
<b>Operating temperature range</b>	41 to 95°F
<b>Package dimensions (W x D x H)</b>	1950 x 766 x 1260 mm
<b>Package dimensions (W x D x H)</b>	77 x 30 x 50 in
<b>Package weight</b>	511 lb
<b>Package weight</b>	232 kg
<b>Playbook TS icon dimensions</b> AiO	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192862.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192862.png</a>
<b>Power</b>	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
<b>Print Technology</b>	Ink
<b>Print cartridge volume delivered</b>	300 ml
<b>Print head nozzles</b>	2112 per color; 12,672 in total
<b>Print heads</b>	3 universal printheads (valid for all colors)
<b>Print languages</b>	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG, CALS G4, HP-GL/2, HP-RTL

<b>Print speed</b>	Fast-Economode: 866 ft <sup>2</sup> /hr on plain media; Normal: 202 ft <sup>2</sup> /hr on coated media; Best: 104 ft <sup>2</sup> /hr on glossy media[1]
<b>Print speed</b>	Fast-Economode: 80.5 m <sup>2</sup> /hr on plain media; Normal: 18.8 m <sup>2</sup> /hr on coated media; Best: 9.7 m <sup>2</sup> /hr on glossy media[1]
<b>Print technology</b>	HP Thermal Inkjet
<b>Printer drivers included</b>	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
<b>Product logos</b>	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
<b>Recommended media</b>	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]
<b>Roll external diameter</b>	135 mm
<b>Roll external diameter</b>	5.3 in
<b>Roll maximum input</b>	2
<b>Roll maximum weight</b>	13.5 kg
<b>Roll maximum weight</b>	29.8 lb
<b>Safety</b>	Printer: USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia, Belarus, Kazakhstan (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)
<b>Scan resolution, optical</b>	1200 dpi
<b>Scan size, maximum</b>	1067 mm
<b>Scan size, maximum</b>	42 in
<b>Scan size, minimum</b>	6 x 4.5 in
<b>Scan size, minimum</b>	152 x 114 mm
<b>Storage temperature range</b>	-13 to 131°F
<b>Storage temperature range</b>	-25 to 55°C
<b>Supported Primary Applications</b>	Banners; Exhibition and event graphics; Light boxes - film; Maps; Orthophotos; Point of sale/display; Posters
<b>UNSPSC code</b>	43212104
<b>UPC number</b>	(ABA) 194441079982; (B1K) 193905111145
<b>Web address for additional information</b>	<a href="http://www.hp.com/go/DesignJet-HD-Pro-2-MFP">http://www.hp.com/go/DesignJet-HD-Pro-2-MFP</a>

# Ink/Toner/Paper/Printer Supplies

## 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

#### Spindles

HP DesignJet 44-in Spindle

Q6709A

#### Take-up Reels

HP DesignJet 44-in Take-up Reel

1QF38A

#### Output Trays and Stackers

HP Pro Scanner Output Delivery Tray

P7V13A

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