

Help me choose



HP DesignJet T and XL Printer series



HP DesignJet T and XL Printer series

High-impact accuracy

These printers are ideal for architectural, engineering, and construction companies (AEC) and geographic information system (GIS) firms. Also, MCAD professional users and workgroups and government agencies. If you need to print, scan, or copy maps, technical drawings, or renderings with precise, accurate line quality and crisp text, be sure to review the specifications on the following pages.




HP DesignJet XL production printers

Large departments and mid-range print production environments

XL series printing solutions specs comparison		HP DesignJet XL 3800 Printer 	HP DesignJet XL 3600 Multifunction Printer series 
Average printing volume ¹		300-700 sqm/month	100-300 sqm/month
Printer size/paper size		1603 mm (W) x 690 mm (D) x 1250 mm (H) 36 in	1500 mm (W) x 660 mm (D) x 1310 (H) 36 in
Scan and copy functions		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Print speed (line drawings)		6 A1/min 20s for first page out 360 A1/h ²	3 A1/min 29s for first page out 180 A1/h ²
Scan speed		Color: up to 3 in/sec (7.62 cm/sec) Grayscale: up to 10 in/sec (25.4 cm/sec)	Color: up to 3 in/sec (7.62 cm/sec) Grayscale: up to 10 in/sec (25.4 cm/sec)
Print resolution		Up to 600 x 1200 optimized dpi	Up to 2400 x 1200 optimized dpi
Scan and copy resolution		1200 x 1200 optimized dpi	Up to 600 dpi
Scan features		Scan to your network folder, USB drive, printer HDD, and scan to email	Scan to your network folder, USB drive, printer HDD, and scan to email
Print languages (standard)		HP GL2, RTL, PS and PDF, TIFF, CALS	HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4
Additional print languages PostScript® SKU/PostScript® upgrade		Adobe PostScript® 3; Adobe PDF 1.7, Interpreter with Adobe PDF Print Engine 5 ⁴	Adobe PostScript® 3; Adobe PDF 1.7, Interpreter with Adobe PDF Print Engine 5
Scan formats (standard)		TIFF, JPEG, PDF	TIFF, JPEG, Multipage TIFF
Additional scan formats PostScript® upgrade (optional)		PostScript ⁴ included	PDF, PDF/A, multipage PDFs
Ink cartridges and printheads		Four Original HP Inks (Flex Tech Inks and Permanent and Water-Resistant Black) and six HP printheads	Six Original HP Inks (Bright Office Inks and Permanent and Water-Resistant Black) and one Universal HP printhead
Ink cartridges capacity		500 ml Original HP Ink cartridges	300 ml Original HP Ink cartridges
Number of rolls/maximum roll length		Two automatic spindleless frontloading roll feeds; rolls up to 650 ft (200 m) long	Two automatic spindleless frontloading roll feeds; rolls up to 650 ft (200 m) long
Cut sheet support		No	<input checked="" type="checkbox"/>
Compatible media core size		3 in	2 and 3 in
Media handling: output, capacity		Integrated output stacker, up to 100 A1/D-size capacity	Integrated output stacker, up to 100 A1/D-size capacity
Memory		256 GB NVMe™	128 GB (file processing, based on 8 GB RAM), 500 GB Encrypted Hard Disk (AES-256 encrypted)
Interfaces (standard)		Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab)	Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab)
Folder supported accessories		F40 folder compatibility ⁵	F40 folder compatibility
Universal print driver		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PIN printing		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HP Web Jetadmin		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HP Mobile Printing	Email printing	No	<input checked="" type="checkbox"/>
	In-OS printing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	HP Smart app	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Remote printing	<input checked="" type="checkbox"/>	No
Auto firmware updates		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Job accounting functionality		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manage print queues		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HP SmartStream for HP DesignJet printers		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HP DesignJet Partner Link Alert Service		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HP Command Center		<input checked="" type="checkbox"/> ⁶	No





HP DesignJet office printers and MFPs

Medium to large workteams

T series printing solutions specs comparison		HP DesignJet T2600 Multifunction Printer series 	HP DesignJet T1700 Printer series 	HP DesignJet T1600 Printer series 
Average printing volume ¹		T2600dr: 300 to 600 A1/month; T2600: up to 300 A1/month	T1700dr: 300 to 600 A1/month; T1700: up to 300 A1/month	T1600dr: 300 to 600 A1/month; T1600: up to 300 A1/month
Printer size/paper size		36 in (914 mm)/A0	44 in (1118 mm)/B0+	36 in (914 mm)/A0
Scan and copy functions		☑	No	No
Print speed (line drawings)		19.3 sec/page on A1/D, 180 A1/D prints/hour ³	26 sec/page on A1/D, 116 A1/D prints/hour ³	19.3 sec/page on A1/D, 180 A1/D prints A1/D prints/hour ³
Scan speed		Color: up to 3 in/sec (7.62 cm/sec) Grayscale: up to 10 in/sec (25.4 cm/sec)	No	No
Print resolution		Up to 2400 x 1200 optimized dpi	Up to 2400 x 1200 optimized dpi	Up to 2400 x 1200 optimized dpi
Scan and copy resolution		Up to 600 dpi	No	No
Scan features		Scan to your network folder, USB drive, printer HDD, and scan to email	No	No
Print languages (standard)		HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4	Basic printer: HP-GL/2, TIFF, JPEG, URF, CALS G4	HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4
Additional print languages PostScript® SKU/PostScript® upgrade		Adobe PostScript® 3, Adobe PDF 1.7, Interpreter with Adobe PDF Print Engine 5	PostScript® printer: Adobe PostScript® 3, Adobe PDF 1.7 ext 3, HP-GL/2, TIFF, JPEG, URF, CALC G4	Adobe PostScript® 3, Adobe PDF 1.7, Interpreter with Adobe PDF Print Engine 5
Scan formats (standard)		TIFF, JPEG, Multipage TIFF	No	No
Additional scan formats PostScript® upgrade (optional)		PDF, PDF/A, Multipage PDF	No	No
Ink cartridges and printheads		Six Original HP Inks (Bright Office Inks and Permanent and Water-Resistant Black) and one Universal HP printhead	Six Original HP Inks and three Universal HP printheads	Six Original HP Inks and one Universal HP printhead
Ink cartridges capacity		130 and 300 ml Original HP Ink cartridges	130 and 300 ml Original HP Ink cartridges	130 and 300 ml Original HP Ink cartridges
Number of rolls/maximum roll length		T2600dr: Two automatic frontloading roll feeds; rolls up to 300 ft (91.4 m) long T2600: One automatic frontloading roll feed; rolls up to 300 ft (91.4 m) long	One (T1700)/Two (T1700dr) automatic roll feeds; rolls up to 300 ft (91.4 m) long	T1600dr: Two automatic frontloading roll feeds; rolls up to 300 ft (91.4 m) long T1600: One automatic frontloading roll feed; rolls up to 300 ft (91.4 m) long
Cut sheet support		☑	☑	☑
Compatible media core size		2 in; 3 in only with optional accessory	2 in; 3 in only with optional accessory	2 in; 3 in only with optional accessory
Media handling: output, capacity		Integrated output stacker, up to 100 A1/D-size capacity and integrated media bin	Integrated media bin	Integrated output stacker, up to 100 A1/D-size capacity and integrated media bin
Memory		128 GB (file processing, based on 8 GB RAM), 500 GB Encrypted Hard Disk (AES-256 encrypted)	128 GB (based on 4 GB DDR3 RAM) virtual 500 GB SED hard disk	128 GB (file processing, based on 4 GB RAM), 500 GB Encrypted Hard Disk (AES-256 encrypted)
Interfaces (standard)		Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab)	Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab)	Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab)
Folder supported accessories		No	No	No
Universal print driver		☑	☑	☑
PIN printing		☑	☑	☑
HP Web Jetadmin		☑	☑	☑
HP Mobile Printing	Email printing	☑	☑	☑
	In-OS printing	☑	☑	☑
	HP Smart app	☑	☑	☑
	Remote printing	No	No	No
Auto firmware updates		☑	☑	☑
Job accounting functionality		☑	☑	☑
Manage print queues		☑	☑	☑
HP SmartStream for HP DesignJet printers		No	No	No
HP DesignJet Partner Link Alert Service		☑	☑	☑

HP DesignJet office printers and MFPs

Small to medium workteams

T series printing solutions specs comparison		HP DesignJet T950 Multifunction Printer	HP DesignJet T950 Printer	HP DesignJet T850 Multifunction Printer	HP DesignJet T850 Printer
					
Average printing volume ¹		200 to 300 A1/month	200 to 300 A1/month	150 to 200 A1/month	150 to 200 A1/month
Printer size/paper size		914 mm (36 in)/A0	914 mm (36 in)/A0	914 mm (36 in)/A0	914 mm (36 in)/A0
Scan and copy functions		☑	No	☑	No
Print speed (line drawings)		21 sec/page on A1, 120 A1 prints/hour ³	21 sec/page on A1, 120 A1 prints/hour ³	25 sec/page on A1, 90 A1 prints/hour ³	25 sec/page on A1, 90 A1 prints/hour ³
Scan speed		Color: up to 1.5 in/sec Greyscale: up to 4.5 in/sec	No	Color: up to 1.5 in/sec Greyscale: up to 4.5 in/sec	No
Print resolution		Up to 2400 x 1200 optimized dpi	Up to 2400 x 1200 optimized dpi	Up to 2400 x 1200 optimized dpi	Up to 2400 x 1200 optimized dpi
Scan and copy resolution		Up to 600 dpi	No	up to 600 dpi	No
Scan features		Scan to network folder, USB drive, scan to email and scan to cloud (through HP app)	No	Scan to network folder, USB drive, scan to email and scan to cloud (through HP app)	No
Print languages (standard)		PCL3GUI, HP-GL/2, HP-RTL, JPEG, CALS G4, URF, TIFF, PDF	PCL3GUI, HP-GL/2, HP-RTL, JPEG, CALS G4, URF, TIFF, PDF	PCL3GUI, HP-GL/2, HP-RTL, JPEG, CALS G4, URF, TIFF, PDF	PCL3GUI, HP-GL/2, HP-RTL, JPEG, CALS G4, URF, TIFF
Additional print languages PostScript® SKU/PostScript® upgrade		No	No	No	No
Scan formats (standard)		PDF, JPEG, TIFF	No	PDF, JPEG, TIFF	No
Additional scan formats PostScript® upgrade (optional)		No	No	No	No
Ink cartridges and printheads		130 and 300 ml Original HP Ink cartridges	130 and 300 ml Original HP Ink cartridges	130 and 300 ml Original HP Ink cartridges	130 and 300 ml Original HP Ink cartridges
Ink cartridges capacity		Four Original HP Inks and one Universal HP printhead	Four Original HP Inks and one Universal HP printhead	Four Original HP Inks and one Universal HP printhead	Four Original HP Inks and one Universal HP printhead
Number of rolls/maximum roll length		One roll feed; roll up to 300 ft (91 m) long	One roll feed; roll up to 300 ft (91 m) long	One roll feed; roll up to 150 ft (45.7 m) long	One roll feed; roll up to 150 ft (45.7 m) long
Cut sheet support/tray capacity		☑ 100 A3	☑ 100 A3	☑ 50 A3	☑ 50 A3
Compatible media core size		2 in	2 in	2 in	2 in
Media handling: output, capacity		Stacker (up to 40 A1), Sheet organizer (50 A3)	Stacker (30 A1) Sheet organizer (50 A3)	Stand with output bin	Stand with output bin
Memory		2 GB	1 GB	2 GB	1 GB
Interfaces (standard)		Gigabit Ethernet (1000Base-T), Wi-Fi	Gigabit Ethernet (1000Base-T), Wi-Fi	Gigabit Ethernet (1000Base-T), Wi-Fi	Gigabit Ethernet (1000Base-T), Wi-Fi
Folder supported accessories		No	No	No	No
Universal print driver		No	No	No	No
PIN printing		No	No	No	No
HP Web Jetadmin		☑	☑	☑	☑
HP Mobile Printing	Email printing	☑	☑	☑	☑
	In-OS printing	☑	☑	☑	☑
	HP Smart app	☑	☑	☑	☑
	Remote printing	☑	☑	☑	☑
Auto firmware updates		☑	☑	☑	
Job accounting functionality		No	No	No	No
Manage print queues		Job reprint	Job reprint	No	No
HP SmartStream for HP DesignJet printers		No	No	No	No
HP DesignJet Partner Link Alert Service		☑	☑	☑	☑




HP DesignJet office printers and MFPs

Small to medium workteams

T series printing solutions specs comparison		HP DesignJet T830 Multifunction Printer 	HP DesignJet Studio Printer series 	HP DesignJet T600 Printer series 	HP DesignJet T200 Printer series 
Average printing volume ¹		180 A1/month	120 to 150 A1/month	1120 to 150 A1/month	0-100 A1/month
Printer size/paper size		24 in (610 mm)/A1	24 in (610 mm)/A1 36 in (914 mm)/A1	24 in (610 mm)/A1 36 in (914 mm)/A1	24 in (610 mm)
Scan and copy functions		<input checked="" type="checkbox"/>	No	No	No
Print speed (line drawings)		26 sec/page on A1/D, 81 A1/D prints/hour ³	36 in: 25 sec/page on A1/D; 82 A1/D prints/hour ⁷ 24 in: 26 sec/page on A1/D; 81 A1/D prints/hour ⁷ T630: 36 in and 24 in: 30 sec/page on A1/D; 76 A1/D prints/hour ⁷	T650: 36 in: 25 sec/page on A1/D; 82 A1/D prints/hour ⁷ 24 in: 26 sec/page on A1/D; 81 A1/D prints/hour ⁷ T630: 36 in and 24 in: 30 sec/page on A1/D; 76 A1/D prints/hour ⁷	T250: 30 sec/page on A1/D; 76 A/D1 prints/hour ⁷ T230: 35 sec/page on A1/D; 68 A/D1 prints/hour ⁷ T210: 45 sec/page on A1/D; 59 A/D1 prints/hour ⁷
Scan speed		Color: up to 3.81 cm/sec (1.5 in/sec) Grayscale: up to 11.43 cm/sec (4.5 in/sec)	No	No	No
Print resolution		Up to 2400 x 1200 optimized dpi	Up to 2400 x 1200 optimized dpi	Up to 2400 x 1200 optimized dpi	Up to 2400 x 1200 optimized dpi
Scan and copy resolution		Up to 600 dpi	No	No	No
Scan features		Scan to email, scan to cloud (through HP Smart app), network, USB, computer, mobile	No	No	No
Print languages (standard)		TIFF, JPEG, CALS G4, HP PCL 3 GUI, HPGL/2, HP-RTL, URF	HP-GL/2, HP-RTL, JPEG, CALS G4, URF	HP-GL/2, HP-RTL, JPEG, CALS G4, URF	JPEG, URF
Additional print languages PostScript® SKU/PostScript® upgrade		No	No	No	No
Scan formats (standard)		JPEG, TIFF, PDF	No	No	No
Additional scan formats PostScript® upgrade (optional)		No	No	No	No
Ink cartridges and printheads		Four Original HP Inks and one Universal HP printhead	Four Original HP Inks and one HP printhead (C,M,Y,K)	Four Original HP Inks and one HP printhead (C,M,Y,K)	Four Original HP Inks and one HP printhead (C,M,Y,K)
Ink cartridges capacity		69 and 300 ml matte black; 40, 130, and 300 ml yellow, magenta, and cyan Original HP Ink cartridges	80 ml and 38 ml matte black; 29 ml yellow, magenta, and cyan Original HP Ink cartridges	80 ml and 38 ml matte black; 29 ml yellow, magenta, and cyan Original HP Ink cartridges	80 ml and 38 ml matte black; 29 ml yellow, magenta, and cyan Original HP Ink cartridges
Number of rolls/maximum troll length		One roll feed; rolls up to 150 ft (45.7 m) long	One roll feed; rolls up to 150 ft (45.7 m) long	One roll feed; rolls up to 150 ft (45.7 m) long	One roll feed; rolls up to 150 ft (45.7 m) long
Cut sheet support/tray capacity		<input checked="" type="checkbox"/> 50 A3	<input checked="" type="checkbox"/> 50 A3	<input checked="" type="checkbox"/> 50 A3	<input checked="" type="checkbox"/> 50 A3
Compatible media core size		2 in	2 in	2 in	2 in
Media handling: output, capacity		Integrated media bin	Integrated and retractable media bin	Integrated media bin	Optional media bin
Memory		1 GB	1 GB	1 GB	512 GB
Interfaces (standard)		Gigabit Ethernet (1000Base-T); Wi-Fi 802.11b/g/n; Wi-Fi Direct	Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0, Wi-Fi 802.11	Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0, Wi-Fi 802.11	Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0, Wi-Fi 802.11
Folder supported accessories		No	No	No	No
Universal print driver		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PIN printing		No	No	No	No
HP Web Jetadmin		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	No
HP Mobile Printing	Email printing	<input checked="" type="checkbox"/>	No	No	No
	In-OS printing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	HP Smart app	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Remote printing	No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Auto firmware updates		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Job accounting functionality		No	No	No	No
Manage print queues		No	No	No	No
HP SmartStream for HP DesignJet printers		No	No	No	No
HP DesignJet Partner Link Alert Service		No	No	No	No

HP DesignJet office printers

Small and medium copy shops

T series printing solutions specs comparison		HP DesignJet Smart Tank T918 Multifunction Printer	HP DesignJet Smart Tank T908 Multifunction Printer	HP DesignJet Smart Tank T858 Printer
				
Average printing volume ¹		500 to 600 A1/month	500 to 600 A1/month	500 to 600 A1/month
Printer size/paper size		914 mm (36 in)/A0	914 mm (36 in)/A0	914 mm (36 in)/A0
Scan and copy functions		☑	☑	No
Print speed (line drawings)		21 sec/page on A1, 120 A1 prints/hour ³	21 sec/page on A1, 120 A1 prints/hour ³	25 sec/page on A1, 90 A1 prints/hour ³
Scan speed		Color: up to 1.5 in/sec Greyscale: up to 4.5 in/sec	Color: up to 1.5 in/sec Greyscale: up to 4.5 in/sec	No
Print resolution		Up to 2400 x 1200 optimized dpi	Up to 2400 x 1200 optimized dpi	Up to 2400 x 1200 optimized dpi
Scan and copy resolution		☑	☑	☑
Scan features		Scan to network folder, USB drive, scan to email and scan to cloud (through HP app)	Scan to network folder, USB drive, scan to email and scan to cloud (through HP app)	No
Print languages (standard)		PCL3GUI, HP-GL/2, HP-RTL, JPEG, CALS G4, URF, TIFF, PDF	PCL3GUI, HP-GL/2, HP-RTL, JPEG, CALS G4, URF, TIFF, PDF	PCL3GUI, HP-GL/2, HP-RTL, JPEG, CALS G4, URF, TIFF, PDF
Additional print languages PostScript® SKU/PostScript® upgrade		No	No	No
Scan formats (standard)		PDF, JPEG, TIFF	PDF, JPEG, TIFF	No
Additional scan formats PostScript® upgrade (optional)		No	No	No
Ink cartridges and printheads		Four Original HP Inks (HP DesignJet Smart Tank Inks) and one Universal HP printhead	Four Original HP Inks (HP DesignJet Smart Tank Inks) and one Universal HP printhead	Four Original HP Inks (HP DesignJet Smart Tank Inks) and one Universal HP printhead
Ink cartridges capacity		500 ml matte black, yellow, magenta and cyan HP Original HP Ink bottles	500 ml matte black, yellow, magenta and cyan HP Original HP Ink bottles	500 ml matte black, yellow, magenta and cyan HP Original HP Ink bottles
Ink tank capacity		575 ml	575 ml	575 ml
Number of rolls/maximum roll length		One roll feed; roll up to 300 ft (140 mm) long	One roll feed; roll up to 300 ft (140 mm) long	One roll feed; roll up to 150 ft (105 mm) long
Cut sheet support/tray capacity		☑ 50 A3	No	☑ 50 A3
Compatible media core size		2 in	2 in	2 in
Media handling: output, capacity		Stand with output bin	Stand with output bin	Stand with output bin
Memory		2 GB	2 GB	1 GB
Interfaces (standard)		Gigabit Ethernet (1000Base-T), Wi-Fi	Gigabit Ethernet (1000Base-T), Wi-Fi	Gigabit Ethernet (1000Base-T), Wi-Fi
Folder supported accessories		No	No	No
Universal print driver		☑	☑	☑
PIN printing		No	No	No
HP Web Jetadmin		No	No	No
HP Mobile Printing	Email printing	☑	☑	☑
	In-OS printing	☑	☑	☑
	HP Smart app	☑	☑	☑
	Remote printing	☑	☑	☑
Auto firmware updates		☑	☑	☑
Job accounting functionality		No	No	No
Manage print queues		☑	☑	No
HP SmartStream for HP DesignJet printers		No	No	No
HP DesignJet Partner Link Alert Service		No	No	No

Legal footnotes

1. Recommended printing volumes based on an average user, but not defining the device's printing capacity.
2. Based on comparison of published speed specifications commissioned by HP and performed by Sogeti in February 2023. HP DesignJet XL 3800 top speed of 6 color D pages per minute compared to top speed specifications of mono and color printers from different manufacturers comparable in terms of price range, speed and market relevance based on their worldwide market share as of February 2023 according to IDC. Further details available upon request.
3. Mechanical printing time. Printed in Fast mode using Original HP Inks.
4. Postscript will be included as default 6 months post introduction.
5. HP F40 Folder compatibility will be available 6 months after introduction.
6. HP SmartTracker Software and integration with HP Partner Link will be available 12 months after product introduction.
7. Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (bond) and Original HP Inks. Actual performance may vary based on a variety of conditions, including but not limited to network configuration.

For more information, please visit: hp.com/go/designjet

