# HP Color LaserJet Managed MFP E78228dn



## The next generation of quality, productivity, and security

HP Managed MFPs and printers are optimised for managed environments. Offering increased monthly page volumes and fewer interventions, this portfolio of products can help reduce printing and copying costs. See your HP Authorized Reseller for details.



Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. Learn more at: http://www.hp.com/go/learnaboutsupplies





2-sided printing



HP Web Jetadmin



Quality laser printing



#### Big colour. Small cost.

- Print premium, professional-quality documents with vivid colour images and graphics for
- Get consistent, professional quality and performance you count on with Original HP toner cartridges and drums.

#### Minimal interruptions. Maximum uptime.

- Avoid interruptions with an HP LaserJet Managed MFP designed to be streamlined for
- Tailor this MFP to the needs of your business with a wide range of paper-handling accessories.
- Scan files directly to Microsoft® Office and SharePoint, plus email, USB, and network
- Grab pages and go, without waiting. This HP LaserJet wakes up quickly and prints fast up to 28 ppm.<sup>2</sup>

#### The world's most secure printing<sup>3</sup>

- Each printer in your fleet checks its operating code and repairs itself from attacks.
- Your printer's outgoing network connections are inspected to stop suspicious requests and thwart malware.
- Memory activity is monitored to continually detect and stop attacks.
- Firmware is automatically checked during startup to determine if it's authentic code digitally signed by HP.

## Product walkaround

### HP Color LaserJet Managed MFP E78228dn shown

- 1. Hardware Integration Pocket (for connecting accessory and third-party devices)
- 2. Flatbed scanner supports media sizes up to A3
- 3. Easy-access USB port
- 4. 500 sheet output bin
- 5. Front door access to toner cartridges and imaging drums
- 6. Automatic two-sided printing
- 7. 520 sheet tray 2 supports media sizes up to A4
- $8.520\,\mathrm{sheet}\,\mathrm{tray}\,3\,\mathrm{supports}\,\mathrm{media}\,\mathrm{sizes}\,\mathrm{up}\,\mathrm{to}\,\mathrm{A3}$
- 9. 100-sheet reversing automatic document feeder (ADF) supports media sizes up to A3 10. 22.8 cm (9.0-inch) functional touchscreen with 20.3 cm (8.0-inch) colour graphics display

5PN63A HP LaserJet Image Transfer Kit (Up to 400,000 pages)

- 11. Right door access to print path and fuser
- 12. 100 sheet multipurpose tray 1 supports media sizes up to A3
- 13. Slot for cable-type security lock
- 14. 2 Hi-Speed USB 2.0 Host ports
- 15. Gigabit Ethernet port

Supplies

16. Hi-Speed USB 2.0 device port



# Accessories, Supplies and Support

Jupplies	SPINOSA HP Laserset image transfer kit (up to 400,000 pages)
	5PN64A HP LaserJet Image Transfer Blade Kit (Up to 200,000 pages)
	5PN65A HP LaserJet Transfer Roller Kit (Up to 200,000 pages)
	8JM70A HP Color Laser Jet 8JM70A Black Developer Unit (300,000 pages)
	8JM71A HP Color Laser Jet 8JM71A Magenta Developer Unit (300,000 pages)
	8JM72A HP Color LaserJet 8JM72A Yellow Developer Unit (300,000 pages)
	8JM73A HP Color LaserJet 8JM73A Cyan Developer Unit (300,000 pages)
	W9215MC HP W9215MC Managed LaserJet Imaging Drum (135,000 pages)
	W9220MC HP W9220MC Black Managed LaserJet Toner Cartridge (25,000 pages)
	W9221MC HP W9221MC Cyan Managed Laser Jet Toner Cartridge (20,000 pages)
	W9222MC HP W9222MC Yellow Managed LaserJet Toner Cartridge (20,000 pages)
	W9223MC HP W9223MC Magenta Managed LaserJet Toner Cartridge (20,000 pages)
Accessories	2MU47A HP Accessibility Assistant
	2NR12A HP Removable Hard Drive Enclosure
	2TD64A HP Accessibility Kit
	3JN69A HP Jetdirect 3100w BLE/NFC/Wireless Accessory
	5YP34A HP 5YP34A Laser HDD Accessory
	8FP31A HP Jetdirect LAN Accessory
	B5L28A HP Internal USB Ports
	B5L29A HP High-Performance Secure Hard Disk
	B5L31A HP Foreign Interface Harness
	E5K49A HP 2 GB x32 144-pin (800 MHz) DDR3 SODIMM
	X3D03A HP Universal USB Proximity Card Reader
	Y1F97A HP LaserJet Dual Cassette Workgroup Feeder
	Y1G00A HP LaserJet Inner Finisher
	Y1G03A HP LaserJet Inner Finisher Hole 2/4 Punch
	Y1G04A HP LaserJet Inner Finisher Swedish Punch
	Y1G13A HP LaserJet Inner/Booklet Staples
	Y1G15A HP LaserJet Workgroup Job Separator
	Y1G17A HP LaserJet Printer Cabinet
	Y1G22A HP LaserJet Paper Tray Heaters Accessory
	Y1G23A HP LaserJet Second Exit Accessory
Service and Support	UB4R2E HP 1 year Next Business Day with Defective Media Retention for Color LaserJet E78223-E78228 Service UB4R3E HP 3 years Next Business Day with Defective Media Retention for Color LaserJet E78223-E78228 Service UB4R4E HP 4 years Next Business Day with Defective Media Retention for Color LaserJet E78223-E78228 Service UB4R5E HP 5 years Next Business Day with Defective Media Retention for Color LaserJet E78223-E78228 Service UB4S3PE HP 1 year Post Warranty Next Business Day with Defective Media Retention for Color LaserJet E78223-E78228 Service UB4S4PE HP 2 years Post Warranty Next Business Day with Defective Media Retention for Color LaserJet E78223-E78228 Service

# **Technical specifications**

Production Prince Princ	Model	HP Color LaserJet Managed MFP E78228dn
Functions  Perit, Copy, con, los Exploritorial  Control panel  2.8 am 8.8 on 10 Accordinate alconstruction alconstruction and the state of the color	Product number	-
Control parel  2.2.8 cm ill 6 p. oils Annatorium than Entonem winni. (15.8) shift in Gene Coop procedus (15.8) with thousehomers. Terring disdustable angled ringing, flurminated in Print technology  Print specification  Book (A4. Incident) to the 28 pm; Colour (A4. Incident) to 12 pm;		Print, copy, scan, fax (optional)
Print speed  Back MA, normally Up to 28 ppm. Colour (A4, normall) Up to 28 ppm.  Back MA, normally Up to 28 ppm. Colour (A4, normall) Up to 28 ppm.  Back MA, normally Up to 28 ppm. Colour (A4, normall) Up to 28 ppm.  Back MA, speed up to 15 ppm. Colour (A4, normall) Up to 28 ppm.  Back MA, speed up to 15 ppm. Colour (A4, normall) Up to 29 ppm.  Back MA, speed up to 15 ppm. Colour (A4, normall) Up to 29 ppm.  Back MA, speed up to 15 ppm. Colour (A4, normall) Up to 29 ppm.  Back MA, speed up to 15 ppm. Colour (A4, normall) Up to 20 ppm.  Back MA, speed up to 15 ppm. Colour (A4, normall) Up to 20 ppm.  Back MA, speed up to 15 ppm. Colour (A4, normall) Up to 20 ppm.  Back MA, speed up to 15 ppm. Colour (A4, normall) Up to 20 ppm. Colour (A4, nor	Control panel	22.8 cm (9.0-in) functional touchscreen with 20.3 cm (8.0 in) Colour Graphics Display (CGD) with touchscreen; Tilting (adjustable angle) display; Illuminated Home
Black MA, dumped. Up to 28 pm. Calour MA, normals Up to 28 pm.  Black MA, seaph A for sist as 9 sp. sec. (Calour MA, recognible 1) to 10 sp. sec.  Black MA, seaph A for sist as 9 sp. sec. (Calour MA, recognible 1) to 10 sp. sec.  Black MA, seaph A for sist as 9 sp. sec. (Calour MA, recognible 1) to 10 sp. sec.  Black MA, seaph A for sist as 9 sp. sec. (Calour MA, recognible 1) to 10 sp. sec.  Black MA, seaph A for sist as 9 sp. sec. (Calour MA, recognible 1) to 10 sp. sec.  Black MA, seaph A for sist as 9 sp. sec. (Calour MA, seaph A) seaph as 11 sp. sec.  Black MA, seaph A for sist as 9 sp. sec. (Calour MA, seaph A) seaph as 11 sp. sec.  Black MA, seaph A, sea	Print	
Back MA, April 19 to 78 pm, Closer (AA, promable by to 78 pm, Closer (BA), Closer (B	Print technology	Laser
Black MA, Feeth A, Stota's B, S	Print speed	
Print resolution    Black best   Up to 1200 x 1200 dip included speed;   Dec 1200 x 1200 dip reduced speed;	First page out	Black (A4, ready): As fast as 8.9 sec; Colour (A4, ready): As fast as 11.0 sec;
Monthly duty cycle  10 to 8 00.000 pages A4. Recommended monthly page volume (b) to 2,000  20 pages (value) printing for a great value to a smart of role for by builders. Produce premium, professional quality colour documents at a competitive low or the Cook Lease let MF build to make your work—and your business. Hook its best. Annoying interruptions and complex maintenance can slow down printing control to the product of business. And pages in productivity with an PLL size let MP designed for managements of some control to the production of the Cook Lease let MF build to make your work—and your business. Hook its best. Annoying interruptions and complex maintenance can slow down printing control to the production.  Standard print anguages  Hey PLG. HP Construction.  Hey PLG. HP Construction of the production o	Print resolution	Black (best): Up to 1200 x 1200 dpi reduced speed; Colour (best): Up to 1200 x 1200 dpi reduced speed;
Dual to protect printing for any great value is a smart choice for any business. Hookace premissing abusility colour documents at a competitive low or included that the production of the produ	Monthly duty cycle	•
Fonts and typeflories Print mergins for Ju-12 arm, Bettom: 4.23 mm, Reft: 4.23 mm, Rejnt: 4.23 mm, Maximum print area : 288.5 x 423.6 mm  Duplex printing Automatic Standard  Copy speed Black (A4): Up to 28 cpm; Colour (A4): Up to 28 cpm Two-sided copying; Scalability, image adjustments (darkness, contrast, background cleanup, sharpness); Optimised text/picture (text, mixed, printed picture photograph); Nully not 2-ordering Content orientation; Collation; ID Scan, Job build; Job Storage, Watermark; Stamps; Book mode scans; Erase edges; Automatic photograph; Nully not 2-ordering Content orientation; Collation; ID Scan, Job build; Job Storage, Watermark; Stamps; Book mode scans; Erase edges; Automatic production of the produc		Quality colour printing for a great value is a smart choice for any business. Produce premium, professional-quality colour documents at a competitive low cost with an HP Color Laser Jet MFP built to make your work—and your business—look its best. Annoying interruptions and complex maintenance can slow down printing, and ultimately, the pace of business. Avoid pauses in productivity with an HP Laser Jet MFP designed for maximum uptime, so you can count on reliable, results day in and day out. Only HP Enterprise printers repair themselves from attacks in real time, delivering built-in security to help keep your network safe. Automatically monitor threats, detect intrusions, and validate operating software with security offered only by HP. Accelerate workflow, improve accuracy, and easily connect people throughout your organization.
Pint area Prit margins Toy- 4.23 mm, Bettom 4.23 mm, Left: 4.23 mm, Right- 4.23 mm, Rayn- Maximum print area : 288.5 x 423.6 mm Duplex printing Automatic Standard) Copy  Copy speed Black (A3). Up to 28 cpm. Colour (A4). Up to 28 cpm. I Wo-sided copying: Scalability; Irmage adjustments (darkness, contrast, background cleanup, sharpness). Optimised text/picture (text, mixed, printed picture photograph). N-Up in or 2-ordering; Content orientations; Collidator, 10 Scan; Job back, 10 bits orage; Watermark; Stamps; Book mode scans; Erase edges, Automatic Copier specifications  Normal (A4): Up to 46 ipm, Duplex (A4): Up to 19 ipm Scan speed Normal (A4): Up to 46 ipm, Duplex (A4): Up to 19 ipm Scan speed Normal (A4): Up to 46 ipm, Duplex (A4): Up to 19 ipm Duplata Send: PDE HI-Compression PDE, PEG, TIE; MTIE; XPS, PDE/A; Scan to easy access USB-PDE, PEG, TIE; MTIE; XPS, PDE/A; Print From easy access USB-PDE, PEG, TIE; MTIE; XPS, PDE/A; Scan to easy access USB-PDE, PEG, TIE; MTIE; XPS, PDE/A; Scan to easy access USB-PDE, PEG, TIE; MTIE; XPS, PDE/A; Scan to easy access USB-PDE, PEG, TIE; MTIE; XPS, PDE/A; Scan input modes Front panel applications; Copy, E-mail; Easx, Save to Network Folder; Scannare (CCO); Scani put modes Front panel applications; Copy, E-mail; Easx, Save to Network Folder; Scannare before the specifications Scannare by Enabled, A4D; Scan activation, Poly Replacement of the specifications Scannare deformed features Scannable area Bid depth Grey Scale levels Scannable area Bid depth Grey Scale level	Standard print languages	HP PCL 6, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible
Duples printing  Automatic (standard)  Black (A4). Up to 28 cpm; Colour (A4). Up to 28 cpm  Copy seed  Black (A4). Up to 28 cpm; Colour (A4). Up to 28 cpm  Two-sided copying; Scialability, Irmage adjustments (darkness, contrast, background cleanup, sharpness). Optimised text/picture (text, mixed, printed picture photograph). Null, Not 2-not an entration, Collation; It Scars, Job baild. 3rd Storage, Watermark; Stamps; Book mode scars; Erase edges, Automatic Collation; It Scars, Job baild. 3rd Storage, Watermark; Stamps; Book mode scars; Erase edges, Automatic Collation; It Scars, Job baild. 3rd Storage; Watermark; Stamps; Book mode scars; Erase edges, Automatic Collation; It Scars, Job baild. 3rd Scars, Job Baild Scars, Job Bail	Fonts and typefaces	84 scalable TrueType fonts
Copy speed Black (A4): Up to 28 cpm; Colour (A4): Up to 28 cpm Tov-sided copying; Scalability; Image adjustments (darkness, contrast, background cleanup, sharpness); Optimised text/picture (text, mixed, printed picture photograph); H-Up iv to 2-ordering, Corrient orientations, Collation, Ib. Stam, Job balld, Job Storage; Waterman, Stamps, Book mode scans; Erase edges, Auf detect collavor/monochronine; Image Preview, Markiman number of copies; Up to 9999 copies; Stamps, Book mode scans; Erase edges, Auf detect collavor/monochronine; Image Preview, Markiman number of copies; Up to 9999 copies; Stamps, Book mode scans; Erase edges, Auf detect collavor/monochronic image Preview, Markiman number of copies; Up to 9999 copies; Stamps, Book mode scans; Erase edges, Auf detect collavor/monochronic image Preview, Markiman number of copies; Up to build, Job Storage; Waterman, Stamps, Book mode scans; Erase edges, Auf detect collavor/monochronic image Preview, Markiman number of copies; Up to build, Job Storage; Vestorage Preview, Markiman number of copies; Up to build, Job Storage; Vestorage Preview, Markiman number of copies; Up to build, Job Storage; Vestorage Preview, August Preview, Aug	Print area	<b>Print margins</b> Top: 4.23 mm, Bottom: 4.23 mm, Left: 4.23 mm, Right: 4.23 mm; Maximum print area: 288.5 x 423.6 mm
Black (A4): Up to 28 pm; Colour (A4): Up to 26 pm; Seathly (A4): Up to 26 pm; Seathly (A4): Up to 26 pm; Seathly (A4): Up to 19 pm; Seathly (A4): Up to 48 pm; Maximum number of copies: Up to 9999 copies; Reduce/Enlarge: 25 to 400%	Duplex printing	Automatic (standard)
Two-sided cropying, Scalability, Image adjustments (darkness, contrast, background cleanup, sharpness), Optimised text/inclure (text, mixed, printed pricture photograph), N-Up, not 7-c ordering, Content on cinetation; Collabor, 10 Scange, Debtograme; Samps, Book mode scans, Erase edges, Aud detect colour/monochrome; Image Preview, Maximum number of copies. Up to 9999; copies; Reduce/Enlarge, 25 to 400%  Scan Speed  Normal (A4): Up to 46 jpm; Duplex (A4): Up to 19 jpm Diplat Send; PDF, H-Compression PDF, JPEG, TIFF, MITF, XPS, PDF/A; Scan to easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; Print from easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; Print from easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; Print from easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; Print from easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; Print from easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; Print from easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; Print from easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; Print from easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; Print from easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; Print from easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; Print from easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; Print from easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; Print from easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; Print from easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; Print from easy access USB. PDF, JPEG, TIFF, MITF, XPS, PDF/A; PDF/A	Сору	
Copies specifications   photograph); N-Lip, Nor Z-ordering; Content orientation; (D Sara, Jöb build; Job Storage; Watermark; Stamps; Book mode scans; Frase edges; Auf detect colour/monochrome; Image Pevelew, Maxhmum number of copies; Up to 9999 copies; Reduce/Enlarge: 25 to 400%  Scan Speed   Normal (M4); Up to 46 jpm; Duplex (M4); Up to 19 jpm   Scan file format   Digital Send; PDF, H-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access US   Scanner specifications   Scanner or position of the property of the part of the	Copy speed	Black (A4): Up to 28 cpm; Colour (A4): Up to 28 cpm
Scan speed   Normal (A4): Up to 46 ipm; Duplex (A4): Up to 19 ipm   Digital Send-PDF, H-Compression PDF, JPEG, TFF, MTIFF, XPS, PDFA; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDFA; Print from easy access USB: PDF, JPEG, TIFF, MTIFF, Access USB: PDF, JPEG, TIFF, MTIFF, Access USB: PDF, JPEG, TIFF, MTIFF, Access USB: PDFA; Park TIFF, PDF, PDF, PDFA; PDF, PDFA; P	Copier specifications	Two-sided copying; Scalability; Image adjustments (darkness, contrast, background cleanup, sharpness); Optimised text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; Content orientation; Collation; ID Scan; Job build; Job Storage; Watermark; Stamps; Book mode scans; Erase edges; Automatically detect colour/monochrome; Image Preview; Maximum number of copies: Up to 9999 copies; Reduce/Enlarge: 25 to 400%
Scan file format  Digital Send: PDF, HI-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; PDF, MTIPF, ADEA, DPF, ADEA, DPF, ADEA, DPF, ADEA, DPF, ADEA, DPF, Seave to Network Folder; Seave to USB; Sea	Scan	
Print Ready files (.pm., p.cl., c.ht)  Scanner specifications  Scanner pope Flatets A.Dr.: Scan technology: Platen Scanner (CCD): Scan input modes. Front panel applications; Copyr, E-mail: Fax; Save to Network Folder; SuSR; Save to Device Memory; Open Extensibility Platform (0XP) applications; Twain version: Version 2.1; Duplex ADF scanning. Yes; Scan size maximum (flat 297 x 432 mm; Optical scan resolution: UP to 600 x 600 dpi  Scanner advanced features  Scan-to-E-mail; Scan to-e-remail; Scant-to-entework folder stand alone southorn); Scan to Cloud; Scan to USB; Scan-to-SharePoint  Scannelae are  Maximum media size (flatbed): 297 x 432 mm; Minimum media size (ADF); 148 x 210 mm Maximum media size (ADF); 297 x 432 mm  Bit depth/ Grey scale levels  Z4-bit / 256  Standard: Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to SFTP; Send to LAN Fax; Send to Internet Fax Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Compact PDF; Auto Straighten; Optional: Scan to Job storage; Send to Send to Internet Fax  Yes, Optional (33.6K, HP MFP Analog 700 Fax Accessory)  Fax memory: Up to 500 pages; Fax resolution: Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 203 x 392 or 300 x 300 dpi; Quick dialing: 1000 numbers (each with 210 destinations)  Processor speed  1.2 GHz  Connectivity  Standard  2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket  Optional  HP Jerdirect 2900nw Print Server J803 1A; HP JetDirect 3100w BLE/NFC/Wireless Accessory 3.NS9A  Wireless  No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the accessor, above.  Mobile printing capability  Apple AirPrint**: Google Cloud Print**, HP Petrint; Mopria** Certified; PrinterOn Print  IPv4/IPv6-6 Apple Bonjour Compatible (Mac OS 10.2-4 or higher), ShMPv1/v2c/v3, HTTP, HTTPS, FTP, FTFP, Port 9100, LPD,	Scan speed	Normal (A4): Up to 46 ipm ;Duplex (A4): Up to 19 ipm
USB; Save to Device Memory, Open Extensibility Platform (OXP) applications; Twain version: Version 2.1; Duplex ADF scanning: Yes; Scan size maximum (flat 297 x 432 mm; Optical scan resolution): Open Good Opin Scanner advanced features  Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to USB; Scan-to-SharePoint  Maximum media size (flatbed): 297 x 432 mm; Minimum media size (ADF): 148 x 210 mm Maximum media size (ADF): 297 x 432 mm  Bit depth/ Grey scale levels  Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Compact PDF; Auto Straighten; Optional: Scan to Danier Eras  Fax  Fax  Yes, Optional (33.6K, HP MFP Analog 700 Fax Accessory)  Fax weenoy: Up to 500 pages; Fax resolution: Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 203 x 392 or 300 x 300 dpi; Quick dialing: 1000 numbers (each with 210 destinations)  Processor speed  1, 2 GHz  Connectivity  Standard  2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket  Optional HP Jetdirect 2900nw Print Server 1803 1A; HP JetDirect 3100w BLE/NFC/Wireless Accessory 31M69A  No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the accessor section, above.  Mobile printing capability  Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; PrinterOn Print  IPV4/IPV6: Apple Boniquer Compatible (Mac 05 10.2.4 or higher). SMMPV1/V2CV3, HTTR; HTTP, FTR; FTR; Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPS  Supported network protocols  Standard (but in Gigabit 10/100/1000T Ethernet)  Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; PrinterOn Print  IPV4/IPV6: Apple Boniquer Compatible (Mac 05 10.2.4 or higher). SMMPV1/V2CV3, HTTR; HTTP, FTR; FTR; Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPS  Supported network protocols  Standard (but in Gigabit 10/100/1000T Ethernet)  Apple AirPrint™; Google Cloud Print™; HP	Scan file format	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS Print Ready files (.prn, .pcl, .cht)
Scannable area  Maximum media size (flatbed): 297 x 432 mm; Minimum media size (ADF): 148 x 210 mm Maximum media size (ADF): 297 x 432 mm  Bit depth/ Grey scale levels  24-bit / 256  Standard: Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to SFTP; Send to LAN Fax; Send to Internet Fax Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Compact PDF; Auto Straighten; Optional: Scan to Job storage; Send to Internet Fax  Fax  Yes, Optional (33.6K, HP MFP Analog 700 Fax Accessory)  Fax memory. Up to 500 pages; Fax resolution: Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 203 x 392 or 300 x 300 dpi; Quick dialing: 1000 numbers leach with 210 destinations)  Processor speed  1, 2 GHz  Connectivity  Standard  2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket  HP Jetdirect 2900nw Print Server J803114, HP JetDirect 3100w BLE/NFC/Wireless Accessory 31NG9A  No wireless capabilities standard. There apoptional accessories (common to all current Jedi products) that support wireless. These are listed in the accessor section, above.  Supported network protocols  Play4/Net; Apple Borojour Compatible (Mac OS 10,24 or higher), SMNPv1/v2c/v3, HTTP, HTTP, FTT, FTTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPS  UPv6; DHCPv6, MLDv1, ICMPv6; IPv4; Auto-IP, SLP, Teinet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print; Other: NetWare NDS, Bindery, NDPS, ePrint; Cloud Print 2.0  Network capabilities  Standard Woulf-in Gigabit 10/100/1000T Ethernet)  Standard Woulf-in	Scanner specifications	Scanner type Flatbed, ADF; Scan technology: Platen Scanner (CCD); Scan input modes: Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) applications; Twain version: Version 2.1; Duplex ADF scanning: Yes; Scan size maximum (flatbed, ADF) 297 x 432 mm; Optical scan resolution: UP to 600 x 600 dpi
Bit depth/ Grey scale levels  24-bit / 256  Standard: Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to LAN Fax; Send to Internet Fax Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Compact PDF; Auto Straighten; Optional: Scan to Job storage; Send to Internet Fax  Fax  Yes, Optional (33.6K, HP MFP Analog 700 Fax Accessory)  Fax specifications  Fax memory. Up to 500 pages; Fax resolution: Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 203 x 392 or 300 x 300 dpi; Quick dialing: 1000 numbers (each with 210 destinations)  Processor speed  1.2 GHz  Connectivity  Standard  2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket  Optional  HP Jetdirect 2900nw Print Server J8031A; HP JetDirect 3100w BLE/NFC/Wireless Accessory 3JN69A  Wireless  No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the accessor section, above.  Mobile printing capability  Apple AirPrint™: Google Cloud Print™: HP ePrint; Mopria™ Certified; PrinterOn Print  IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPV1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPs (LOud Print 2.0)  Network capabilities  Standard two 16 GB encrypted eMMCs: one is located on formatter board for stored jobs and solutions, another one is located on ECB for copy/scan function HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Endata Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Endata Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Endata Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure Fi	Scanner advanced features	Scan-to-E-mail; Scan-to-network folder (stand alone solution); Scan to Cloud; Scan to USB; Scan-to-SharePoint
Standard: Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to LAN Fax; Send to Internet Fax Address Book; SMTP over SSL, Blank Page Removal; Edge Erase; Auto Colour Sense; Compact PDF; Auto Straighten; Optional: Scan to Job storage; Send to Internet Fax  Yes, Optional (33.6K, HP MFP Analog 700 Fax Accessory)  Fax memory. Up to 500 pages; Fax resolution: Standard: 203 x 98 dpj; Fine: Up to 203 x 196 dpj; Superfine: Up to 203 x 392 or 300 x 300 dpj; Quick dialing: 1000 numbers (each with 210 destinations)  Processor speed 1.2 GHz  Connectivity  Standard 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket  Optional HP Jetdirect 2900nw Print Server J8031A; HP JetDirect 3100w BLE/NFF/Wireless Accessory 3JN69A  Wireless No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the accessor section, above.  Mobile printing capability Apple AirPrint**, Google Cloud Print**, HP ePrint; Mopria** Certified; Printer On Print    IPv4/I/Pv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2/cV3, HTTP, HTTPS, FTP, FTFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPss  Supported network protocols   IPv4/I/Pv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2/cV3, HTTP, HTTPS, FTP, FTFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPss    IPv4/I/Pv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2/cV3, HTTP, HTTPS, FTP, FTFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPss    IPv4/I/Pv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2/cV3, HTTP, HTTPS, FTP, FTFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPss    IPv4/I/Pv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2/cV3, HTTP, HTTPS, FTP, FTFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPss    IPv4/I/Pv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2/cV3, HTTP,	Scannable area	Maximum media size (flatbed): 297 x 432 mm ; Minimum media size (ADF): 148 x 210 mm Maximum media size (ADF): 297 x 432 mm
Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Compact PDF; Auto Straighten; Optional: Scan to Job storage; Send to Internet Fax  Fax  Yes, Optional (33.6K, HP MFP Analog 700 Fax Accessory)  Fax memory. Up to 500 pages; Fax resolution: Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 203 x 392 or 300 x 300 dpi; Quick dialing: 1000 numbers (each with 210 destinations)  Processor speed  1.2 GHz  Connectivity  Standard  2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket  Optional  HP Jetdirect 2900nw Print Server J8031A; HP JetDirect 3100w BLE/NFC/Wireless Accessory 3JN69A  Wireless  No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the accessor section, above.  Mobile printing capability  Apple Air/Print*: Google Cloud Print*: HP ePrint; Mopria** Certified; PrinterOn Print  IPV4/IPV6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPs, IPV6: DHCPV6, MLDv1, ICMPv6; IPv4: Auto-IIP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print; Other: NetWare NDS, Bindery, NDPS, ePrint; Cloud Print 2.0  Network capabilities  Standard two 16 GB encrypted eMMCs: one is located on formatter board for stored jobs and solutions, another one is located on ECB for copy/scan function HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Temporary Job Files, Secure Erase (ABD) Band Bandling  Number of paper trays  Media types  Standard 4.25 GB (Formatter 1.25 GB + ECB 3 GB); Maximum: 16.25 GB (Standard memory + optional 2 GB)  Plain, HP EcceFicIcIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, English English English English English English English E	Bit depth/ Grey scale levels	24-bit / 256
Fax Specifications  Fax memory. Up to 500 pages; Fax resolution: Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 203 x 392 or 300 x 300 dpi; Quick dialing: 1000 numbers (each with 210 destinations)  Processor speed  1.2 GHz  Connectivity  Standard  2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket  Optional  HP Jetdirect 2900nw Print Server J8031A; HP JetDirect 3100w BLE/NFC/Wireless Accessory 3JN69A  Wireless  No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the accessor section, above.  Mobile printing capability  Apple AirPrint** Google Cloud Print**; HP ePrint; Mopria** Certified; Printer*On Print  IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2 4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, FTFT, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsc Ucloud Print 2.0  Network capabilities  Standard (built-in Gigabit 10/100/1000T Ethernet)  Standard (built-in Gigabit 10/100/1000T Ethernet)  Standard two 16 GB encrypted eMMcs: one is located on formatter board for stored jobs and solutions, another one is located on ECB for copy/scan function HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Ended Data, Secure ATA Erase-Disk); Optional 500 GB Hard Disk (located on ECB for copy/scan functions). ECB: Engine Controller Board  Media handling  Number of paper trays  Standard: 3; Maximum: 5  Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Envelope, Preprinted, Prepunched, Coloured	Digital sending	Standard: Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Compact PDF; Auto Straighten; Optional: Scan to Job storage; Send to LAN Fax; Send to Internet Fax
Fax memory. Up to 500 pages; Fax resolution: Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 203 x 392 or 300 x 300 dpi; Quick dialing: 1000 numbers (each with 210 destinations)  Processor speed  1.2 GHz  Connectivity  Standard  2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket  Optional  HP Jetdirect 2900nw Print Server J8031A; HP JetDirect 3100w BLE/NFC/Wireless Accessory 3JN69A  Wireless  No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the accessor section, above.  Mobile printing capability  Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; PrinterOn Print  IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPst (Doud Print 2.0  Network capabilities  Standard (built-in Gigabit 10/100/1000T Ethernet)  Standard two 16 GB encrypted eMMCs: one is located on formatter board for stored jobs and solutions, another one is located on ECB for copy/scan function HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure B Data, Secure ATA Erase-Disk); Optional 500 GB Hard Disk (located on ECB for copy/scan functions). ECB: Engine Controller Board  Memory  Standard: 4.25 GB (Formatter 1.25 GB + ECB 3 GB); Maximum: 1 6.25 GB (standard memory + optional 2 GB)  Media handling  Number of paper trays  Standard: 3; Maximum: 5  Plain, HP EccEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Envelope, Preprinted, Prepunched, Coloured	Fax	
Processor speed 1.2 GHz  Connectivity  Standard 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket  Optional HP Jetdirect 2900nw Print Server J8031A; HP JetDirect 3100w BLE/NFC/Wireless Accessory 3JN69A  Wireless No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the accessor section, above.  Mobile printing capability Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, FTF, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsc Supported network protocols IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, B00TP/DHCP, WINS, IP Direct Mode, WS Print; Other: NetWare NDS, Bindery, NDPS, ePrint; Cloud Print 2.0  Network capabilities Standard (built-in Gigabit 10/100/1000T Ethernet)  Standard two 16 GB encrypted eMMCs: one is located on formatter board for stored jobs and solutions, another one is located on ECB for copy/scan function Hard disk HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Firmporary Job Files, Secure E Data, Secure ATA Erase-Disk); Optional 500 GB Hard Disk (located on ECB for copy/scan functions). ECB: Engine Controller Board  Memory Standard: 4.25 GB (Formatter 1.25 GB + ECB 3 GB); Maximum: ¹ 6.25 GB (standard memory + optional 2 GB)  Media handling  Number of paper trays Standard: 3; Maximum: 5  Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 105g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Envelope, Preprinted, Prepunched, Coloured	Fax	Yes, Optional (33.6K, HP MFP Analog 700 Fax Accessory)
Standard  2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket  Optional  HP Jetdirect 2900nw Print Server J8031A; HP JetDirect 3100w BLE/NFC/Wireless Accessory 3JN69A  Wireless  No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the accessor section, above.  Mobile printing capability  Apple AirrPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; PrinterOn Print  IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 or highen), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, FTTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPse IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, B00TP/DHCP, WINS, IP Direct Mode, WS Print; Other: NetWare NDS, Bindery, NDPS, ePrint; Cloud Print 2.0  Network capabilities  Standard (built-in Gigabit 10/100/1000T Ethernet)  Standard two 16 GB encrypted eMMCs: one is located on formatter board for stored jobs and solutions, another one is located on ECB for copy/scan function HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure ED ata, Secure ATA Erase-Disk); Optional 500 GB Hard Disk (located on ECB for copy/scan functions). ECB: Engine Controller Board  Media handling  Number of paper trays  Standard: 3; Maximum: 5  Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Ledia types	Fax specifications	Fax memory: Up to 500 pages; Fax resolution: Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 203 x 392 or 300 x 300 dpi; Quick dialing: Up to 1000 numbers (each with 210 destinations)
2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket  Optional HP Jetdirect 2900nw Print Server J8031A; HP JetDirect 3100w BLE/NFC/Wireless Accessory 3JN69A  Wireless No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the accessor section, above.  Mobile printing capability Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; PrinterOn Print  IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 or highen), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, FTFP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPst IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, B00TP/DHCP, WINS, IP Direct Mode, WS Print; Other: NetWare NDS, Bindery, NDPS, ePrint; Cloud Print 2.0  Network capabilities Standard two 16 GB encrypted eMMCs: one is located on formatter board for stored jobs and solutions, another one is located on ECB for copy/scan function HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure ED ata, Secure ATA Erase-Disk); Optional 500 GB Hard Disk (located on ECB for copy/scan functions). ECB: Engine Controller Board  Media handling  Number of paper trays Standard: 3; Maximum: 5  Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Leby Service Preprinted, Prepunched, Coloured	Processor speed	1.2 GHz
Optional HP Jetdirect 2900nw Print Server J8031A; HP JetDirect 3100w BLE/NFC/Wireless Accessory 3JN69A  Wireless Supported No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the accessor section, above.  Mobile printing capability Apple AirPrint™, Google Cloud Print™; HP ePrint; Mopria™ Certified; PrinterOn Print  IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, FTFP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPse IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print; Other: NetWare NDS, Bindery, NDPS, ePrint; Cloud Print 2.0  Network capabilities Standard (built-in Gigabit 10/100/1000T Ethernet)  Standard (built-in Gigabit 10/100/1000T Ethernet)  Hard disk Standard two 16 GB encrypted eMMCs: one is located on formatter board for stored jobs and solutions, another one is located on ECB for copy/scan function HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure ED Data, Secure ATA Erase-Disk); Optional 500 GB Hard Disk (located on ECB for copy/scan functions). ECB: Engine Controller Board  Memory Standard: 4.25 GB (Formatter 1.25 GB + ECB 3 GB); Maximum: 16.25 GB (Standard memory + optional 2 GB)  Media handling  Number of paper trays Standard: 3; Maximum: 5  Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Poper Preprinted, Prepunched, Coloured	Connectivity	
No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the accessories (common to all current Jedi products) that support wireless. These are listed in the accessories (common to all current Jedi products) that support wireless. These are listed in the accessories (common to all current Jedi products) that support wireless. These are listed in the accessories (common to all current Jedi products) that support wireless. These are listed in the accessories (common to all current Jedi products) that support wireless. These are listed in the accessories (common to all current Jedi products) that support wireless. These are listed in the accessories (common to all current Jedi products) that support wireless. These are listed in the accessories section, above.  Mobile printing capabilities  Support de Indiana (Products) (Pro	Standard	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket
Section, above.  Mobile printing capability  Apple Airprint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; PrinterOn Print  IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPst  IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print; Other: NetWare NDS, Bindery, NDPS, ePrint;  Cloud Print 2.0  Network capabilities  Standard (built-in Gigabit 10/100/1000T Ethernet)  Standard two 16 GB encrypted eMMCs: one is located on formatter board for stored jobs and solutions, another one is located on ECB for copy/scan function  HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure ED ata, Secure ATA Erase-Disk); Optional 500 GB Hard Disk (located on ECB for copy/scan functions). ECB: Engine Controller Board  Memory  Standard: 4.25 GB (Formatter 1.25 GB + ECB 3 GB); Maximum: 16.25 GB (standard memory + optional 2 GB)  Media handling  Number of paper trays  Standard: 3; Maximum: 5  Media types  Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Leavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Envelope, Preprinted, Prepunched, Coloured	Optional	HP Jetdirect 2900nw Print Server J8031A; HP JetDirect 3100w BLE/NFC/Wireless Accessory 3JN69A
IPV4/IPV6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPst 9100, LPD, WS Discovery, IPP, IPst 9100, LPD, WS Discovery, IPP, IPst 9100, LPD, WS Discovery, IPP, IPst 9100, LPD, WS Discovery, IPSt 9100, LPD, WS Disco	Wireless	No wireless capabilities standard. There are optional accessories (common to all current Jedi products) that support wireless. These are listed in the accessories section, above.
IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPst IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print; Other: NetWare NDS, Bindery, NDPS, ePrint; Cloud Print 2.0  Network capabilities  Standard (built-in Gigabit 10/100/1000T Ethernet)  Standard two 16 GB encrypted eMMCs: one is located on formatter board for stored jobs and solutions, another one is located on ECB for copy/scan function HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure ED Data, Secure ATA Erase-Disk); Optional 500 GB Hard Disk (located on ECB for copy/scan functions). ECB: Engine Controller Board  Standard: 4.25 GB (Formatter 1.25 GB + ECB 3 GB); Maximum: 16.25 GB (standard memory + optional 2 GB)  Media handling  Number of paper trays  Standard: 3 ;Maximum: 5  Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Envelope, Preprinted, Prepunched, Coloured	Mobile printing capability	Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; PrinterOn Print
Standard two 16 GB encrypted eMMCs: one is located on formatter board for stored jobs and solutions, another one is located on ECB for copy/scan function HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure ED Data, Secure ATA Erase-Disk); Optional 500 GB Hard Disk (located on ECB for copy/scan functions). ECB: Engine Controller Board  Standard: 4.25 GB (Formatter 1.25 GB + ECB 3 GB); Maximum: 16.25 GB (standard memory + optional 2 GB)  Media handling  Number of paper trays  Standard: 3; Maximum: 5  Plain, HP EccEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Envelope, Preprinted, Prepunched, Coloured	Supported network protocols	IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewal IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print; Other: NetWare NDS, Bindery, NDPS, ePrint; Google Cloud Print 2.0
Standard two 16 GB encrypted eMMCs: one is located on formatter board for stored jobs and solutions, another one is located on ECB for copy/scan function HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure ED Data, Secure ATA Erase-Disk); Optional 500 GB Hard Disk (located on ECB for copy/scan functions). ECB: Engine Controller Board  Standard: 4.25 GB (Formatter 1.25 GB + ECB 3 GB); Maximum: 16.25 GB (standard memory + optional 2 GB)  Media handling  Number of paper trays  Standard: 3; Maximum: 5  Plain, HP EccEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Envelope, Preprinted, Prepunched, Coloured	Network capabilities	Standard (built-in Gigabit 10/100/1000T Ethernet)
Media handling       Number of paper trays     Standard: 3 ; Maximum: 5       Media types     Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Envelope, Preprinted, Prepunched, Coloured	Hard disk	Standard two 16 GB encrypted eMMCs: one is located on formatter board for stored jobs and solutions, another one is located on ECB for copy/scan function; Optiona HP High-Performance Secure Hard Disk; AES 256 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk); Optional 500 GB Hard Disk (located on ECB for copy/scan functions). ECB: Engine Controller Board
Number of paper trays  Standard: 3 ; Maximum: 5  Media types  Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Envelope, Preprinted, Prepunched, Coloured	Memory	Standard: 4.25 GB (Formatter 1.25 GB + ECB 3 GB); Maximum: 1 6.25 GB (standard memory + optional 2 GB)
Media types Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Envelope, Preprinted, Prepunched, Coloured	Media handling	
Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Envelope, Preprinted, Prepunched, Coloured	Number of paper trays	Standard: 3 : Maximum: 5
	Media types	Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, Mid-Weight 96-110g, Heavy 111-130g, HP Matte 150g, Extra Heavy 131-175g, HP Matte 200g, Cardstock 176-220g, Labels, Envelope, Preprinted, Prepunched, Coloured
	Media size	

Model	HP Color LaserJet Managed MFP E78228dn
Product number	8GS37A
Media handling	Standard input: 100 sheet multi-purpose tray, 2 x 520 sheet input tray, 100 sheet ADF Standard output: 500 sheet face-down output bin Optional input: Optional 2 x 520 sheet input tray ADF: Standard, 100 sheets
Media weight	Tray 1: 60 to 176 g/m²; Tray 2, 3: 60 to 220 g/m²
Input capacity	Tray 1: Sheets: 100 (75 gsm); envelopes: 10 Tray 2: Up to 520 sheets (75 gsm) Tray 3: Up to 520 sheets (75 gsm) Tray 3: Up to 520 sheets (75 gsm) Maximum: Up to 2,180 sheets (75 gsm); MP Tray: up to 100 sheets; Tray 2, 3, 4 and 5: up to 520 sheets ADF: Standard, 100 sheets
Output capacity	Standard: Up to 500 sheets Envelopes: Up to 40 envelopes Maximum: Up to 550 sheets
Compatible operating systems	Windows Client OS (32/64-bit): Win10, Win8.1, Win7 Ultimate; Mobile OS: iOS, Android; Mac: Apple® macOS Sierra v10.13, Apple® macOS High Sierra v10.14, Apple® macOS Mojave v10.15; Discrete PCL6 Printer Driver: For more information on the supported operating systems go to http://www.support.hp.com, Enter your product name and search, Click on User Guides and enter your product name and search for your (Product Name) - User Guide, Search for the Supported Operating Systems section; UPD PCL6 / PS Printer Drivers: For more information on the supported operating systems go to http://www.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; UPD PCL6 / PS Printer Drivers, Supported Operating systems: For more information on the supported operating systems see http://www.hp.com/go/upd
Compatible network operating systems	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Windows Server 2019 64-bit, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server; Citrix Ready Kit Certification – Up to Citrix Server 7.18 for more information see http://www.citrixready.citrix.com; Linux- For more information see http://www.hp.com/go/unixmodelscripts; Linux- For more information see http://www.hp.com/go/unixmodelscripts; UPD PCL6 / PS Printer Drivers- For more information on the supported operating systems go to http://www.support.hp.com, Enter your product name and search, Click on User Guides and enter your product name and search for your (Product Name) - User Guide, Search for the Supported Operating Systems see http://www.hp.com/go/upi
Minimum system requirements	Windows: 2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see http://www.microsoft.com Mac: 2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see http://www.apple.com
Software included	No software solutions are included in the Box only on http://www.hp.com, http://www.123.hp.com
Security management	Management security: SNMPv3, SSL/TLS, WPA2-Enterprise, 802.1X authentication (EAP- PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in
Printer management	HP Printer Assistant, HP Device Toolbox, HP Web JetAdmin Software, HP JetAdvantage Security Manager, HP SNMP Proxy Agent, HP WS Pro Proxy Agent, Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)
Dimensions and weight	
Printer dimensions (W x D x H)	<b>Minimum</b> 566 x 725 x 870 mm; <b>Maximum</b> : 935 x 1113 x 1262 mm
Package dimensions (W x D x H)	760 x 890 x 1076 mm
Printer weight	82.9 kg
Package weight	100.1 kg
Operating environment	Temperature: 15 to 30°C Humidity: 20 to 80% RH
Storage conditions	Temperature: -10 to 40°C
Acoustics <sup>2</sup>	Acoustic power emissions: 6.5 B(A), printing colour simplex A4 at 28 ppm Acoustic pressure emissions: 50 dB(A), printing colour simplex A4 at 28 ppm
Power <sup>3</sup>	Requirements: Input voltage: 220 to 240Vac (+/- 10%), 50/60 Hz (+/- 3%); Consumption: 665 watts (printing), 34 watts (ready), 9.5 watts (sleep), 0.6 watts (Final sleep), 0.01 watts (off); Typical Electricity Consumption (TEQ <sup>4</sup> : Blue Angel: 1.573 (kWh/Week); Energy Star: 0.386 (kWh/Week); Power supply type: Internal (Built-in) power supply;
Certifications <sup>5</sup>	CISPR22:2008 (International) CISPR 32:2012/EN 55032:2012 Class A, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55024:2010, EMC Directive 2014/30/EU with CE Marking. Other EMC approvals as required by individual countries. EPEAT® Silver; ENERGY STAR® qualified Blue Angel compliant Yes, Blue Angel DE-UZ 205—only ensured when using Original HP supplies
Country of origin	Made in China
What's in the box <sup>6</sup>	HP Color LaserJet Managed MFP E78228dn printer; Engine; TCU; Drums; Assy-Colour WG Nameplate and Label; Power Cords; Hardware install and setup documentation; Support flyers
Warranty	1 Year Parts Only. Extended Warranty and support options vary by product, country and local legal requirements. Go to http://www.hp.com/support to learn about HP award winning service and support options in your region.

#### **Footnotes**

- Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see http://www.hpconnected.com.
- <sup>2</sup> Measured using ISO/IEC 24734, 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, driver, and document complexity.
- <sup>3</sup> Based on HP review of 2018 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit hp.com/go/PrintersThatProtect. For more information: http://www.hp.com/go/printersecurityclaims.

#### Technical specifications disclaimers

- 1 Maximum Memory can be expanded to 6.25 GB (System memory) by adding optional memory module. 2 GB Memory DIMM Kit (E5K49A) can be purchased separately.
- <sup>2</sup> Acoustic power of active scan/copy will be updated after review scan acoustic data.
- <sup>3</sup> 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 consumption values typically based on measurement of 115 V device.
- <sup>4</sup> 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 115 V device.
- <sup>5</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.
- <sup>6</sup> Please purchase USB cable separately; Service Technician must install units.













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