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# Product Specifications for the HP Color LaserJet Pro MFP M281cdw (T6B83A)

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## Product naming

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<b>Model name</b>	HP Color LaserJet Pro MFP M281cdw
<b>Product number</b>	T6B83A

## What's included and accessories

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<b>What's in the box</b>	HP Color LaserJet Pro MFP M281cdw; Introductory HP LaserJet Color cartridges (~700 color composite (C/Y/M) page yield and ~1400 page yield black); Installation guide; Printer documentation and software on CD-ROM; Power cord; USB cable; Phone Cord; Media Pack
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## Connectivity

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<b>Ports</b>	Hi-Speed USB 2.0 port; built-in Fast Ethernet 10/100/1000 Base-TX network port, Dual band 802.11n 2.4/5GHz, Fax port, Front Host USB
<b>Wireless capability</b>	Built-in Dual band 802.11n 2.4/5GHz; authentication via WEP, WPA/WPA2, or 802.11x; encryption via AES or TKIP; WPS; Wi-Fi Direct
<b>Storage device and direct print support</b>	Front-facing USB/Flash drive; USB printing

## Copy

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<b>Copier settings</b>	Number of copies; Reduce/Enlarge; Lighter/Darker; Optimize; Paper; Multi-page copy; Collation; Draft Mode; Image Adjustment; Set as New Defaults; Restore Defaults
<b>Maximum number of copies</b>	Up to 99 copies
<b>Copy reduce/enlarge settings</b>	25 to 400%
<b>Copy speed (color, normal)</b>	Up to 21 cpm

<b>Copy speed (black, normal)</b>	Up to 22 cpm
<b>Copy resolution</b>	600 x 600 dpi

## Environmental

<b>Acoustic power emissions</b>	6.4 B(A) (Mono), Simplex; 6.3 B(A) (Color), Simplex; 6.3 B(A) (Mono), Duplex; 6.3 B(A) (Color), Duplex
<b>Operating humidity range</b>	30 to 70% RH
<b>Non-Operating Humidity Range</b>	0 to 95% RH
<b>Recommended operating temperature range (Celsius)</b>	17 to 25°C
<b>Recommended operating temperature range (Fahrenheit)</b>	62.6 to 77°F
<b>Storage temperature range (Celsius)</b>	-20 to 40°C
<b>Storage temperature range (Fahrenheit)</b>	-4 to 104°F
<b>Environmental specifications</b>	Mercury Free

## Fax

<b>Fax available</b>	Yes
<b>Fax features</b>	Auto redialing, delayed sending, fax forwarding, TAM interface, distinctive ring detection, cover page wizard (Software only), block fax, billing codes, poll receive, fax activity reports, dial prefix setting
<b>Fax Resolution Black (best)</b>	Up to 300 x 300 dpi
<b>Fax memory</b>	Up to 1300 pages

<b>Telephone handset supported</b>	Yes
<b>Fax telephone mode supported</b>	Yes
<b>Modem</b>	33.6 kbps
<b>Fax Speed Dials, Maximum Number</b>	Up to 120 numbers
<b>Fax transmission speed (letter)</b>	3 sec per page
<b>Fax transmission speed note</b>	Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.

## Memory

<b>Memory</b>	256 MB DDR, 256 MB Flash
<b>Maximum Memory</b>	256 MB DDR, 256 MB Flash

## Mobile printing capability

<b>Mobile printing services</b>	HP ePrint; Apple AirPrint; Mopria-certified; Wireless Direct Printing; Mobile Apps
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## Networking

<b>Network protocols supported</b>	TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual), IPv6
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## Paper handling

<b>Input capacity</b>	1-sheet in Tray 1; Up to 270 sheets (27 mm stack height) in Tray 2
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<b>Output capacity</b>	Up to 100 sheets (10 mm stack height)
<b>Media sizes supported (metric)</b>	Letter (216 x 280); Lega l(216 x 356); Executive (184 x 267); Oficio 8.5 x 13 (216 x 330); 4 x 6 (102 x 152); 5 x 8 (127 x 203); A4 (210 x 299); A5(148 x 210); A6 (105x148); B5 (JIS)(182 x 257); B6 (JIS)(128 x 182); 10 x 15cm(100 x 150); Oficio 216 x 340mm (216 x 340); 16K 195 x 270 mm(195 x 270); 16K 184 x 260 mm (184 x 260); 16K 197 x 273mm(197x273); Postcard(JIS)(100 x 147); Double Postcard(JIS)(147 x 200); Envelope #10(105 x 241); Envelope Monarch (98 x 191); Envelope B5 (176 x 250); Envelope C5(162 x 229); Envelope DL(110 x 220); A5-R(210 x 148)
<b>Media sizes supported (U.S. standard)</b>	Letter (8.5 x 11); Legal (8.5 x 14); Executive (7.2 x 10.5); Oficio 8.5 x 13 (8.5 x 13); 4 x 6 (4 x 6); 5 x 8 (5 x 8); A4 (8.3 x 11.7); A5 (5.8 x 8.3); A6 (4.1 x 5.8); B5 (JIS)(7.2 x 10.1); B6 (JIS)(5 x 7.2); 10 x 15cm (3.9 x 5.9); Oficio 216 x 340 mm (8.5 x 13.4); 16K 195 x 270 mm (7.6 x 10.6); 16K 184 x 260mm(7.2 x 10.2); 16K 197 x 273 mm (7.8 x 10.7); Postcard (JIS)(3.9 x 5.8); Double Postcard(JIS)(5.8 x 7.9); Envelope #10(4.1 x 9.5); Envelope Monarch (3.9 x 7.5); Envelope B5 (6.9 x 9.8); Envelope C5 (6.4 x 9); Envelope DL (4.3 x 8.7); A5-R (8.3 x 5.8)
<b>Media sizes, custom (metric)</b>	76 x 127 to 216 x 356 mm
<b>Media sizes, custom (U.S. standard)</b>	3 x 5 to 8.5 x 14 in
<b>Media types</b>	Paper (bond, brochure, colored, glossy, heavy, letterhead, light, photo, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes, cardstock
<b>Media weight supported (metric)</b>	60 to 163 g/m <sup>2</sup> (Uncoated/Matte, recommended), however up to 175 g/m <sup>2</sup> Postcards and 200 g/m <sup>2</sup> HP Matte is allowed in the driver; 60 to 163 g/m <sup>2</sup> (Coated/Glossy, recommended), however up to 175 g/m <sup>2</sup> Postcards and 220 g/m <sup>2</sup> HP Glossy is allowed in the driver.
<b>Media weight supported (U.S. standard)</b>	16 to 43 lb (Uncoated/Matte, recommended), however up to 47 lb Postcards and 53 lb HP Matte is allowed in the driver; 16 to 43 lb (Coated/Glossy, recommended), however up to 47 lb Postcards and 59 lb HP Glossy is allowed in the driver.

## Paper handling - ADF

<b>Automatic document feeder capacity</b>	Standard, 50 sheets

<b>Media size (ADF)</b>	A4; Letter; Legal; 4 x 6 in to 8.5 x 14 in
<b>Media weight supported, ADF (metric)</b>	60 to 90 g/m <sup>2</sup>
<b>Media weight supported, ADF (U.S. standard)</b>	16 to 24 lb
<b>Media type and capacity, ADF</b>	Sheets: 50 (75 g/m <sup>2</sup> uncurled)

## Paper handling - duplexer

<b>Recommended media weight, duplex (metric)</b>	60 to 120 g/m <sup>2</sup> (recommended), 60 to 200 g/m <sup>2</sup> (allowed)
<b>Recommended media weight, duplex (U.S. standard)</b>	16 to 32 lb (recommended), 16 to 53 lb (allowed)
<b>Media sizes, duplex (U.S. standard)</b>	Letter (8.5 x 11); Legal (8.5 x 14); Executive (7.2 x 10.5); Oficio 8.5 x 13 (8.5 x 13); A4 (8.3 x 11.7); A5 (5.8 x 8.3); B5(JIS) (7.2 x 10.1); Oficio 216 x 340 mm (8.5 x 13.4); 16K 195 x 270 mm (7.6 x 10.6); 16K 184 x 260 mm(7.2 x 10.2); 16K 197 x 273 mm (7.8 x 10.7); A5-R(8.3 x 5.8)

## Physical dimensions

<b>Maximum dimensions (W x D x H, metric)</b>	424 x 475 x 338 mm
<b>Maximum dimensions (W x D x H, U.S. standard)</b>	16.7 x 18.7 x 13.3 in
<b>Weight (metric)</b>	18.7 kg
<b>Weight (U.S. standard)</b>	41.2 lb

## Power

<b>Energy savings feature technology</b>	HP Auto-On/Auto-Off Technology; Instant-on Technology

<b>Power supply type</b>	Internal (Built-in) power supply
<b>Power supply</b>	110-volt input voltage: 110 to 127 VAC (+/- 10%), 50 Hz (+/- 3 Hz), 60 Hz (+/- 3 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50 Hz (+/- 3 Hz), 60 Hz (+/- 3 Hz)(Not dual voltage, product varies by part number with # Option code identifier)
<b>Power consumption</b>	342 watts (active printing), 8.0 watts (ready), 1.2 watts (sleep), 0.1 watts (Manual-Off), 0.1 (Auto-off/Manual-on), 0.1 watts (Auto-Off/Wake on LAN)

## Print cartridges

<b>Number of print cartridges</b>	4 (1 each black, cyan, magenta, yellow)
<b>Replacement cartridges</b>	HP 202A Black LaserJet Toner Cartridge (~1400 page yield) CF500A; HP 202A Cyan LaserJet Toner Cartridge (~1300 page yield) CF501A;HP 202A Yellow LaserJet Toner Cartridge (~1300 page yield) CF502A;HP 202A Magenta LaserJet Toner Cartridge (~1300 page yield) CF503A; HP 202X Black LaserJet Toner Cartridge (~3200 page yield) CF500X; HP 202X Cyan LaserJet Toner Cartridge (~2500 page yield) CF501X;HP 202X Yellow LaserJet Toner Cartridge (~2500 page yield) CF502X;HP 202X Magenta LaserJet Toner Cartridge (~2500 page yield) CF503X
<b>Replacement cartridges footnote</b>	Replacement 202A cartridge average composite (C/Y/M) declared yield ~1300 and average black yield ~1400 pages; replacement 202X cartridge average composite (C/Y/M) declared yield ~2500 and average black yield ~3200 pages based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <a href="http://www.hp.com/go/learnaboutsupplies">http://www.hp.com/go/learnaboutsupplies</a> .
<b>SureSupply note</b>	HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. For more information, visit <a href="http://www.hp.com/go/SureSupply">http://www.hp.com/go/SureSupply</a> ; only available with Original HP supplies; Internet access required.

## Printing specifications

<b>Print technology</b>	Laser
<b>Duplex printing</b>	Automatic (standard)
<b>Print resolution (best)</b>	Up to 600 x 600 dpi

<b>Maximum print area (metric)</b>	216 x 356 mm
<b>Monthly duty cycle</b>	Up to 45,000 pages
<b>Print languages</b>	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PCLm, PDF, URF
<b>Printer smart software features</b>	2.7 in color touchscreen, Automatic 2-sided printing, Wireless printing, Ethernet networking, Wireless direct printing, HP ePrint, Apple AirPrint, Mopria-certified, Google Cloud Print, HP Auto-On/Auto-Off technology, HP Smart App, HP JetAdvantage Private Print, HP JetAdvantage Secure Print

## Regulatory specifications

<b>Regulatory model number</b>	SHNGC-1601-02
<b>Safety</b>	EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011+A2:2013; IEC 60950-1:2005 +A1:2009+A2:2013; EN 60825-1:2014/IEC 60825-1:2014 (Class 1 Laser Product); EN 62479:2010/IEC 62479:2010; CAN/CSA C22.2 No. 60950-1-07 2nd Ed.March 27, 2007 Compliance of IEC 60950-1 standard considers all country deviations according to the most recent IECIEE CB Bulletin.; Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.
<b>Electromagnetic compatibility</b>	CISPR 22:2008 & CISPR 32: 2012/EN 55032:2012 - Class B; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 55024:2010; FCC Title 47 CFR, Part 15 Class B/ICES-003, Issue 6
<b>Telecom compliance (fax capability)</b>	Fax Telecom: ES 203 021; FCC Title 47 CFR, Part 68; Industry Canada CS03; NOM-151-SCTI-1999 (Mexico); PTC-200 (New Zealand); other Telecom approvals as required by individual countries. Wireless Telecom: EU RED 2014/53/EU; EN 301 489-1 V2.1.1/EN 301 489-17: V3.1.1; EN 300 328: V2.1.1/EN301 893 V2.0.7; FCC Title 47 CFR, Part 15 Subpart C & E/RSS 247 Issue 1, 2015 & RSS 102 Issue 5, 2015; IEC 62311:2007/EN62311:2008

## Scan

<b>Scanner advanced features</b>	HP Scanning software; Scan-to-E-mail, network folder; 50-sheet Automatic Document Feeder (ADF) for unattended scanning of multiple pages; automatic scan cropping; Scan to Google Drive/Drop box (PC); Scan to FTP(PC);Scan to Microsoft One Drive, Share Point (PC); Save as editable file (text, PDF)
<b>Scan technology</b>	Contact Image Sensor (CIS)



<b>Scan speed (normal)</b>	Up to 27 ppm
<b>Scan resolution, hardware</b>	Up to 300 x 300 dpi (color and mono ADF); up to 1200 x 1200 dpi (Flatbed)
<b>Levels of grayscale</b>	256
<b>Bit depth</b>	24-bits (color); 8-bits (mono)
<b>Duplex ADF scanning</b>	No
<b>Minimum flatbed scan size (metric)</b>	50 x 50 mm
<b>Minimum flatbed scan size (U.S. standard)</b>	1.92 x 1.92 in
<b>Maximum flatbed scan size (metric)</b>	215.9 x 297 mm
<b>Maximum flatbed scan size (U.S. standard)</b>	8.5 x 11.7 in
<b>Minimum ADF scan size (metric)</b>	102 x 152 mm
<b>Minimum ADF scan size (U.S. standard)</b>	4 x 6 in
<b>Maximum ADF scan size (metric)</b>	215.9 x 355.6 mm

<b>Maximum ADF scan size (U.S. standard)</b>	8.5 x 14 in
<b>Twain version</b>	Version 1.9 (Legacy OS); Version 2.1 (Windows 7 or higher)

## Security

<b>Security management</b>	Embedded Web Server: password-protection, secure browsing via SSL/TLS; Network: enable/disable network ports and features, SNMPv1 community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication; Firewall and ACL; SNMPv3
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## System requirements

<b>Minimum system requirements for Windows</b>	Microsoft Windows 10, 8, 7: 1 GHz 32-bit (x86) or 64-bit (x64) processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft Internet Explorer. Windows Vista: 800 MHz 32-bit (x86) processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft Internet Explorer 8. Windows XP SP3 or higher (32-bit only): any Intel Pentium II, Celeron or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft Internet Explorer 8. Windows Vista x64 has been removed from support on the CD & Web packs. Windows Server support is provided via the command line installer and supports Win Server 2008 R2 and higher.
<b>Recommended system requirements for Windows</b>	Windows 10, 8, 7: 1 GHz 32-bit (x86) or 64-bit (x64) processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft Internet Explorer. Windows Vista (32-bit only): 800 MHz 32-bit (x86) processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft Internet Explorer 8. Windows XP SP3 or higher (32-bit only): any Intel Pentium II, Celeron or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8.
<b>Minimum system requirements for Macintosh</b>	OS X 10.10 Yosemite, OS X 10.11 El Capitan, OS X 10.12 Sierra, 1 GB HD, Internet
<b>Recommended Macintosh system requirements</b>	Mac OS X 10.10 Yosemite, OS X 10.11 El Capitan, OS X 10.12 Sierra, Mountain Lion, Mavericks; Intel Core Processor; 1 GB HD; CD-ROM/DVD or Internet; USB
<b>Compatible network operating systems</b>	Windows 10 (32-bit and 64-bit), Windows 8 (32-bit and 64-bit), Windows 7 (32-bit and 64-bit), Windows Vista (32-bit and 64-bit), Windows XP (32-bit) (Professional and Home Editions); Mac OS X 10.10 Yosemite, OS X 10.11 El Capitan, OS X 10.12 Sierra; Linux (For more information, see <a href="http://hplipopensource.com/hplip-web/index.html">http://hplipopensource.com/hplip-web/index.html</a> ).

<b>Operating system (supported note)</b>	Windows 10 (32-bit and 64-bit), Windows 8 (32-bit and 64-bit), Windows 7 (32-bit and 64-bit), Windows Vista (32-bit and 64-bit), Windows XP (32-bit) (Professional and Home Editions); Mac OS X 10.10 Yosemite, OS X 10.11 El Capitan, OS X 10.12 Sierra; Linux (For more information, see <a href="http://hplipopensource.com/hplip-web/index.html">http://hplipopensource.com/hplip-web/index.html</a> ).
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## Warranty

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<b>Warranty</b>	One-year limited hardware warranty
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