

# HP Color LaserJet Pro MFP M281cdw



Make an impact with high-quality color and increased productivity. Get the fastest in-class two-sided printing speed and First Page Out Time (FPOT).<sup>1,2</sup> Scan, copy, and fax. Count on simple security solutions, and get easy mobile printing.<sup>3</sup>



**Print speed:** Up to 22 ppm black; Up to 22 ppm color  
**Two-Sided Print speed:** Up to 13 ppm black; Up to 13 ppm color  
**Print Resolution:** Black (best): Up to 600 x 600 dpi; Color (best): Up to 600 x 600 dpi  
**Print Technology Resolution:** HP ImageREt 3600  
**Copy resolution:** Black (text and graphics): Up to 600 x 600 dpi; Up to 600 x 600 dpi; Color (text and graphics): 600 x 600 dpi  
**Display:** 2.7" color graphic screen  
**Standard connectivity:** 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  
**Mobile Printing Capability:** HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing; Mobile Apps  
**Paper Handling:** 270-sheet input tray; 1-sheet priority tray; 100-sheet output bin  
**Memory:** 256 MB DDR, 256 MB Flash

## Increase productivity with a color MFP

- Get the fastest in-class two-sided printing speed and First Page Out Time (FPOT).<sup>1,2</sup>
  - Breeze through tasks with a 50-page automatic document feeder.
  - Scan digital files directly to email, network folders, and more. Safeguard data, devices, and documents.<sup>5</sup>
  - Easily manage tasks at the device with an intuitive touchscreen. Print documents directly from a USB drive.
- More. Pages, Performance, and Protection.**
- Count on high-quality color and more pages with Original HP Toner cartridges with JetIntelligence.<sup>5</sup>
  - Get the Original HP quality you paid for with anti-fraud technology.
  - Spend less time replacing toner, with optional high-yield cartridges.
  - Speed through print jobs right out of the box, using preinstalled Original HP Toner cartridges.

## Easy mobile printing and scanning – HP Smart app

- Print and scan from your smartphone, and easily order toner, with the HP Smart app.<sup>7</sup>
- Have confidence in your connection with steady performance from dual band Wi-Fi®.<sup>4</sup>
- Connect your smartphone or tablet directly to your printer – and easily print without accessing a network.<sup>8</sup>
- Simply tap the print button on your smartphone or tablet to print.<sup>3</sup>



<sup>1</sup> Compared with the majority of color laser MFPs < \$300 USD and Print Speed 0-30ppm, based on market share of IDC CYQ1 2017 Hardcopy Peripherals Tracker. Automatic Duplex Printing Speed based on manufacturers' published specifications as of June 12, 2017. See [hp.com/go/printerspeeds](http://hp.com/go/printerspeeds). <sup>2</sup> Comparison based on manufacturers' published specifications for First Page Out Time FPOT as of March 6, 2017. Includes color laser MFPs < \$450 USD and printers < \$300 USD based on market share as reported by IDC as of Q4 2016. See [hp.com/go/printerspeeds](http://hp.com/go/printerspeeds). <sup>3</sup> For details on local printing requirements see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). <sup>4</sup> For details on local printing requirements see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). <sup>5</sup> Optional HP JetAdvantage Security Manager for additional purchase. Available on select product models and firmware versions. See product documentation or see <http://h10032.www1.hp.com/ctg/Manual/c03601723> (PDF 372KB) for details. <sup>6</sup> Based on cartridge yields for HP 201X compared with HP 202X Original HP LaserJet Toner Cartridges. For more information, see [hp.com/go/learnaboutsupplies](http://hp.com/go/learnaboutsupplies). <sup>7</sup> Requires the HP Smart app download. Features controlled may vary by mobile device operating system. Full list of supported operating systems and details at <http://support.hp.com/us-en/document/c03561640>. For details on local printing requirements see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). <sup>8</sup> Mobile device needs to be connected to Wi-Fi Direct® signal of a Wi-Fi Direct-supported AiO or printer prior to printing. Details at [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Wi-Fi Direct® is a registered trademark of Wi-Fi Alliance®.

# HP Color LaserJet Pro MFP M281cdw Specifications Table

<b>Functions / Multitasking Supported</b>	Print, Copy, Scan, Fax / Yes
<b>Print Speed</b>	<b>Letter:</b> Up to 22 ppm black; Up to 22 ppm color <sup>6</sup> <b>Two-Sided:</b> Up to 22 ppm black; Up to 22 ppm color <b>Landscape, A5:</b> Up to 37 ppm black; Up to 20 ppm color; <sup>7</sup> <b>First Page Out:</b> As fast as 10.3 sec black; As fast as 11.5 sec color <sup>8</sup>
<b>Print Resolution</b>	<b>Black (best):</b> Up to 600 x 600 dpi; <b>Color (best):</b> Up to 600 x 600 dpi
<b>Print Technology</b>	Laser
<b>Print Resolution Technologies</b>	HP ImageREt 3600
<b>Print Cartridges Number</b>	4 (1 each black, cyan, magenta, yellow)
<b>Standard 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-Off/Auto-Off technology, HP Smart App, HP JetAdvantage Private Print
<b>Printer Management</b>	HP Printer Assistant (UDC); HP Utility (Mac); HP Device Toolbox; HP JetAdvantage Security Manager <sup>11</sup>
<b>Scan Type / Technology</b>	Flatbed, ADF / Contact Image Sensor (CIS)
<b>Scan Resolution</b>	<b>Hardware:</b> Up to 300 x 300 dpi (color and mono ADF); up to 1200 x 1200 dpi (Flatbed); <b>Optical:</b> Up to 300 dpi (color and mono ADF); up to 1200 dpi (Flatbed)
<b>Scan File Format</b>	JPG, RAW (BMP), PNG, TIFF, PDF
<b>Scan Input Modes</b>	Front-panel scan, copy, e-mail, fax, or file buttons; HP Scan software; and user application via TWAIN or WIA
<b>Scan Size</b>	<b>ADF:</b> 8.5 x 14 in Maximum; 4 x 6 in Minimum; <b>Flatbed:</b> 8.5 x 11.7 in
<b>Scan Speed</b> <sup>9</sup>	Up to 27 ppm
<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>Native Scan File Format</b>	PDF, JPG
<b>Software Scan File Format</b>	JPG, RAW (BMP), PNG, TIFF, PDF
<b>Bit depth / Grayscale levels</b>	24-bits (color); 8-bits (mono) / 256
<b>Digital Sending Standard Features</b>	Scan to email; scan to folder; scan to USB drive
<b>Copy Speed</b>	<b>Black (letter):</b> Up to 22 ppm; <b>Color (letter):</b> Up to 22 ppm
<b>Copy Resolution</b>	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; Up to 600 x 600 dpi; <b>Color (text and graphics):</b> 600 x 600 dpi
<b>Maximum Number Of Copies</b>	Up to 99 copies
<b>Copier Resize</b>	25 to 400%
<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>Fax Speed</b> <sup>4</sup>	Up to 33.6 kbps (maximum), 14.4 kbps (default); <b>Letter:</b> 3 sec per page
<b>Fax Resolution</b>	<b>Black (best):</b> Up to 300 x 300 dpi; <b>Black (standard):</b> 203 x 98 dpi
<b>Fax Smart Software 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 Features</b>	<b>Fax Memory:</b> Up to 1300 pages; <b>Auto Fax Reduction Supported:</b> Yes; <b>Auto-Redialing:</b> Yes; <b>Fax Delayed Sending:</b> Yes; <b>Distinctive Ring Detection Supported:</b> Yes; <b>Fax Forwarding Supported:</b> Yes; <b>Fax Phone TAM Interface Supported:</b> Yes; <b>Fax Polling Supported:</b> Yes (receive only); <b>Fax Telephone Mode Supported:</b> Yes; <b>Junk Barrier Supported:</b> Yes; (CID) matching only. Caller ID not supported; <b>Maximum Speed Dialing Numbers:</b> Up to 120 numbers; <b>PC Interface Supported:</b> Yes; <b>Remote Retrieval Capability Supported:</b> No; <b>Telephone Handset Supported:</b> Yes
<b>Standard Connectivity</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>Network Capabilities</b>	Yes, via built-in 10/100/1000 Base-TX Ethernet; Auto-crossover Ethernet; Authentication via 802.11x
<b>Network Ready</b>	Standard built-in Ethernet 802.11 b/g/n Wi-Fi operates as both an AP (with Wi-Fi Direct) and STA
<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>Mobile Printing Capability</b>	HP ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing; Mobile Apps
<b>Memory</b>	<b>Standard:</b> 256 MB DDR, 256 MB Flash; <b>Maximum:</b> 256 MB DDR, 256 MB Flash
<b>Processor Speed</b>	800 MHz
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 45,000 pages
<b>Recommended Monthly Page Volume</b>	150 to 2500
<b>Media Types Supported</b>	Paper (bond, brochure, colored, glossy, heavy, letterhead, light, photo, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes, cardstock

<b>Media Weight Supported</b>	16 to 43 lb (Uncoated/Matte, recommended), however up to 47 lb Postcards and 53 lb HP Matte is allowed in the tray; 16 to 43 lb (Coated/Glossy, recommended), however up to 47 lb Postcards and 59 lb HP Glossy is allowed in the driver.
<b>Media Sizes Supported</b>	Letter(8.5 x 11); Legal(8.5 x 14); Executive(7.2 x 10.5); Oficio 8.5x13(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 US(7.2 x 10.1); B6 US(5 x 7.2); 10x15cm (3.9 x 5.9); Oficio 216x340 mm(8.5 x 13.4); 16K 195x270mm(7.6 x 10.6); 16K 184x260mm(7.2 x 10.2); 16K 197x273mm(7.8 x 10.7); Postcard (US)(3.9 x 5.8); Double Postcard(US)(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-RB(3 x 5.8)
<b>Media Sizes Custom</b>	3 x 5 to 8.5 x 14 in
<b>Paper Handling</b>	270-sheet input tray; 1-sheet priority tray; 100-sheet output bin; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 50 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2; <b>Input Capacities:</b> 1-sheet in Tray 1; Up to 270 sheets (27 mm stack height) in Tray 2; <b>Output Capacities:</b> Up to 100 sheets (10 mm stack height); 10 mm stack height; 10 mm stack height
<b>What's in the box</b> <sup>1,10</sup>	<b>T6883A</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
<b>Replacement Cartridges</b> <sup>3</sup>	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>Product Dimensions</b>	<b>WxDxH:</b> 16.5 x 16.6 x 13.2 in; <b>Maximum:</b> 16.7 x 18.7 x 13.3 in
<b>Product Weight</b>	41.2 lb
<b>Warranty Features</b>	One-year limited hardware warranty; For more info please visit us at <a href="http://support.hp.com">http://support.hp.com</a>
<b>Energy Efficiency Compliance</b>	ENERGY STAR® certified; EPEAT® Silver
<b>Control Panel</b>	2.7" color graphic touch screen with 3 button at left side (Home, Help, Back)
<b>Display Description</b>	2.7" color graphic screen
<b>Software Included</b>	For Windows OS: HP Software Installer, HP Software Uninstaller, HP PCL6 Printer Driver, HP Device Experience (DXP), HP Web Services Assist (HP Connected), Device Setup & Software, HP Printer Assistant, HP Product Improvement Study, Online user manuals, HP Scan Driver, HP Scan Application, HP Fax Driver, HP Fax Application. For Mac OS: Welcome Screen, (Directs users to HP.com or OS App Store for LaserJet Software)
<b>Fonts and Typefaces</b>	84 scalable TrueType fonts. Additional Font Solutions available at <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>
<b>Compatible Operating Systems</b>	Windows® 10, 8.1, 8, 7; 32-bit or 64-bit; 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer, Windows Vista®; (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, 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. Windows Server support is provided via the command line installer and supports Win Server 2008 R2 and higher. Apple® OS X El Sierra(v10.12), Capitan (v10.11), Yosemite (v10.10); 1.5 GB HD; Internet required; USB. Linux (For more information, see <a href="http://hplipopensource.com/hplip-web/index.html">http://hplipopensource.com/hplip-web/index.html</a> ). Unix (For more information, see <a href="http://www.hp.com/go/unixmodelscripts">http://www.hp.com/go/unixmodelscripts</a> )
<b>Compatible Network Operating Systems</b>	Windows® 10, 8.1, 8, 7; 32-bit or 64-bit; 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer, Windows Vista®; (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, 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. Windows Server support is provided via the command line installer and supports Win Server 2008 R2 and higher. Apple® OS X El Sierra(v10.12), Capitan (v10.11), Yosemite (v10.10); 1.5 GB HD; Internet required; USB. Linux (For more information, see <a href="http://hplipopensource.com/hplip-web/index.html">http://hplipopensource.com/hplip-web/index.html</a> ). Unix (For more information, see <a href="http://www.hp.com/go/unixmodelscripts">http://www.hp.com/go/unixmodelscripts</a> )
<b>Minimum System Requirements</b>	<b>PC:</b> Windows® 10, 8.1, 8, 7; 32-bit or 64-bit; 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer, Windows Vista®; (32-bit only), 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, 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. Windows Server support is provided via the command line installer and supports Win Server 2008 R2 and higher. <b>MAC:</b> Apple® OS X Sierra(v10.12), El Capitan (v10.11), Yosemite (v10.10); 1.5 GB HD; Internet required; USB
<b>Power</b> <sup>2,5</sup>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</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 watt (Manual-Off), 0.1 (Auto-off/Manual-on), 0.1 watt(Auto-Off/Wake on LAN) <b>Typical Electricity Consumption (TEC) number:</b> ES: 0.759 kWh/Week; BA: 0.669 kWh/Week; <b>Blue Angel (Sleep mode):</b> 1.15 Watts
<b>Acoustics</b>	<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>Acoustic Pressure Emissions:</b> 50 dB(A) (Mono), Simplex; 50 dB(A) (Color), Simplex; 50 dB(A) (Mono), Duplex; 49 dB(A) (Color), Duplex
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 59 to 86°F; <b>Recommended Operating Temperature:</b> 62.6 to 77°F; <b>Storage Temperature Range:</b> -4 to 104°F; <b>Non-Operating Humidity Range:</b> 0 to 95% RH; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Humidity Operating Range:</b> 30 to 70% RH
<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
<b>HP Service and Support Options</b>	UQ223E - HP 2 year Care Pack Business Priority Support with Next business day Exchange for LaserJet Printers; UQ224E - HP 3 year Care Pack Business Priority Support with Next business day Exchange for LaserJet Printers; UQ225E - HP 4 year Care Pack Business Priority Support with Next business day Exchange for LaserJet Printers; U6M44E - HP 2 year Care Pack Business Priority Support with Onsite Exchange for Consumer LaserJet Printers; U6M45E - HP 3 year Care Pack Business Priority Support with Onsite Exchange for Consumer LaserJet Printers; U6M46E - HP 4 year Care Pack Business Priority Support with Onsite Exchange for Consumer LaserJet Printers; UG118A - HP 2 year Care Pack with Next Day Exchange for High LaserJet Printers; UG088A - HP 3 year Care Pack with Next Day Exchange for High LaserJet Printers; UG118E - HP 2 year Care Pack w/Next Day Exchange for LaserJet Printers; UG088E - HP 2 year Care Pack w/Next Day Exchange for LaserJet Printers.

Learn more at [hp.com](http://hp.com)

<sup>1</sup> Ship with A black cartridge, introductory cartridges included for C/Y/M ~1400 page yield black and ~700 page yield color composite (C/Y/M). <sup>2</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 115V device. <sup>3</sup> Declared yield value in accordance with ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies> <sup>4</sup> Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory. <sup>5</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 115V device. <sup>6</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>7</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type. <sup>8</sup> Measured using ISO/IEC 17629. 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>9</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. <sup>10</sup> Media pack of 30 sheets HP Brochure Paper 150g, Matte. <sup>11</sup> Optional HP JetAdvantage Security Manager for additional purchase. Available on select product models and firmware versions. See product documentation or see <http://h10032.www1.hp.com/ctg/Manual/c03601723> for details.

