



REPUBLIC OF THE PHILIPPINES
PHILIPPINE STATISTICS AUTHORITY

REQUEST FOR QUOTATION

The Philippine Statistics Authority (PSA) through its Bids and Awards Committee (BAC) will undertake alternative mode of procurement (**shopping, small value, etc.**) for **printer and scanner**. Details of the procurement are as follows:

Name of Project	Supply and Delivery of Printer and Scanner
Solicitation	P. R. No. NCS-18-06-051
Location	Quezon City
Brief Description	Procurement of goods.
Quantity	See attached bid form.
Approved Budget for the Contract (ABC)	P 235,000.00
Date of Delivery	15 days upon receipt of approved P.O.

Please quote your lowest price on the item/s listed on the next page and submit personally your **SEALED QUOTATION** not later than 5:00 pm on **July 11, 2018** at the General Services Division (GSD), 11th Floor, Cyberpod One, Eton Centris, Diliman, Quezon City.

BAC Chairperson

Terms and Conditions:

1. Only the suppliers registered at the Philippine Government Electronic Procurement System (PhilGEPS) shall be allowed to submit the quotation.
2. All entries must be typewritten/printed legibly in the Bid Form. Failure to use this form will result to disqualification of your bid.
3. Late submission of quotation shall not be accepted.
4. Bids exceeding the ABC shall be disqualified.
5. The Lowest bidder shall be informed immediately and shall be asked to submit additional requirements within three days after the opening of bids or during post qualification.
6. Award of contract shall be made to the lowest quotation, and complies with the specifications and other terms and conditions as stated in the RFQ.
7. Terms of Payment shall be made through check payable to the supplier.
8. The PSA reserves the right to reject any or all bid proposals, or declares the bidding a failure, or not to award the contract, and makes no assurance that a contract shall be entered into as a result of this invitation.

BID FORM

Item(s) and specification(s) (minimum)	Unit	Qty.	Unit Price	Total Amount (VAT inclusive)	Compliance with Technical Specifications (pls. check)	
					YES	NO
1. Portable Printer	pc	1	P _____	P _____	()	()
2. Scanner, Printer and Photocopier in one	pc	6	P _____	P _____	()	()
Note: - Please see attachment for the specifications. X-X-X-X-X-X-X-X-X-X-X-X-X-X For the 2018 CPBI Operation						
				Total Amount in Words: _____ _____ _____		

After having carefully read and accepted your Terms and Conditions. I/We quote you on the item at prices noted above.

Printed Name of authorized representative/Signature: _____

Position: _____

Name of Company: _____

Address: _____ Email Address: _____

Fax No.: _____ Tel No.: _____ Cellphone No.: _____

Date: _____

MOBILE PRINTER

1. HP OfficeJet 200 Mobile Printer

Specifications

Print speed black:

ISO: On AC: Up to 10 ppm, On Battery: Up to 9 ppm
Draft: On AC: Up to 20 ppm, On Battery: Up to 18 ppm⁵

Print speed color:

ISO: On AC: Up to 7 ppm, on Battery: Up to 6 ppm
Draft: On AC: Up to 19 ppm, On Battery: Up to 17 ppm⁵

Print speed color (draft, 10x15 photo)

- Normal mode photo: 34 sec, photo draft speed not specified

First page out (ready)

Black: On AC: As fast as 12 sec, On Battery: as fast as 12s
Color: On AC: As fast as 14 sec, On Battery: as fast as 15s⁶

Duty cycle (monthly, A4)

Up to 500 pages⁷

Recommended monthly page volume

100 to 300

Print technology

- HP Thermal Inkjet

Printer drivers included

- Yes

Print quality black (best)

- Up to 1200 x 1200 rendered dpi (when printing from a computer)

Print quality color (best)

- Up to 4800 x 1200 optimized dpi color (when printing from a computer and 1200 input dpi)

Display

- 2.0" Hi-Res MGD

Processor speed

- 525 MHz

Number of print cartridges

- 2: 1 black, 1 color (cyan, magenta, yellow)

Replacement cartridges

HP 62 Black Original Ink Cartridge
HP 62 Tri-color Original Ink Cartridge
HP 62XL High Yield Black Original Ink Cartridge
HP 62XL High Yield Tri-color Original Ink Cartridge

Print languages

- HP PCL 3 GUI

Automatic paper sensor

- Yes

Connectivity

HP ePrint capability

- Yes

Mobile printing capability

HP ePrint
Wireless Direct Printing ⁴

Wireless capability

- Yes, via built-in wireless

Connectivity, standard

- 1 USB 2.0 + Wi-Fi

Minimum system requirements

- 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 IntelPentiumII, Celeron or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Internet Explorer 8. AppleOS X Yosemite (v10.10) OS X Mavericks (v10.9), OS X Mountain Lion (v10.8)
- 1 GB HD
- Internet required

- Apple® OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks, 1 GB available space, Internet required, USB

Compatible operating systems

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. Apple OS X Yosemite (v10.10) OS X Mavericks (v10.9), OS X Mountain Lion (v10.8)
1 GB HD
Internet required

Memory Specifications

Memory card compatibility

- None

Memory, standard

- 128 MB DDR3

Maximum Memory

- 128 MB

Paper Handling

Paper handling input, standard

- Up to 50

Duplex printing

- Manual (driver support provided)

Maximum Input Capacity (envelopes)

- Up to 5

Borderless printing

- Yes (Up to 5 x 7 in, 127 x 177 mm)

Media sizes supported

- A4
- A5
- A6
- B5 (ISO)
- B5 (JIS); envelopes (A2
- C5
- C6
- DL)
- photo (10 x 15 cm
- L
- 2L)
- Japanese Postcard
- Ofuku Hagaki

Media sizes, custom

- 76.2 x 216 to 101 x 355.6 mm

Media types

- Plain Paper, HP Photo Papers, HP Matte Brochure or Professional Paper, HP Matte Presentation Paper, HP Glossy Brochure or Professional Paper, Other Photo Inkjet Papers, Other Matte Inkjet Papers, Other Glossy Inkjet Papers, Plain Paper, Light/Recycled

Media weights, recommended

- 75 g/m²

Media weight, supported

- 60 to 300 g/m²

Power and operating requirements

Power

- Input voltage: 100 to 240 VAC, 50 to 60 Hz
- 200 to 240 VAC, 50 to 60 Hz

Power consumption

15 watts (Active), 0.17 watts (Manual-Off), 3.9 watts (Standby), 1.14 watts (Sleep) ³

Energy efficiency

- ENERGY STAR® qualified, EPEAT® Silver, CECP

Operating temperature range

- 5 to 40°C

Operating humidity range

- 15 to 90% RH

Dimensions and weight

Minimum dimensions (W x D x H)

364 x 186 x 69 mm¹

Weight

2.1 kg (2.2 kg - with battery)²

Package weight

- 3.6 kg

2. HP OfficeJet 250 Mobile All in One

Connectivity

Connectivity, standard	1 USB 2.0 device; 1 USB 2.0 host; 1 Wi-Fi direct; 1 Bluetooth low energy (LE)
Wireless capability	Yes. Wireless, Wi-Fi direct, and Bluetooth low energy (LE)

Copy

Copier settings	Legal to Letter; A4 to Letter; Letter to A4
Color copy capability	Yes
Maximum number of copies	Up to 50 copies
Copy reduce / enlarge settings	25 to 400%
Copy speed, black (draft, A4)	On AC: up to 18 ppm; On Battery: up to 17 ppm
Copy speed, black (draft, Letter)	On AC: up to 18 ppm; On Battery: up to 17 ppm
Copy resolution	Up to 600 dpi

Environmental

Acoustic power emissions	5.7 B(A) (Best); 6.0 B(A) (Normal); 6.2 B(A) (Fast Draft)
Operating humidity range	20 to 80% RH
Storage humidity	5 to 90% RH
Recommended operating temperature range (Celsius)	15 to 30°C
Recommended operating temperature range (Fahrenheit)	59 to 86°F
Storage temperature range (Celsius)	-40 to 60°C
Storage temperature range (Fahrenheit)	-40 to 140°F

Memory

Memory card compatibility	None
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Mobile Printing Capability

Mobile printing capability	Yes
Mobile printing services	Apple AirPrint™; HP ePrint; Wireless (WiFi); USB; Wi-Fi direct printing

Networking

Network protocols, supported	Wi-Fi network support
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Paper Handling

Input capacity	Up to 50
Standard input capacity (cards)	Up to 20
Standard input capacity (envelopes)	Up to 5
Standard input capacity (transparencies)	Up to 5
Media sizes supported (metric)	A4; A5 ; A6; B5 (ISO); B5 (JIS);envelopes (A2; C5; C6; DL); photo (10 x 15 cm; L; 2L); Japanese Postcard; Ofuku Hagaki
Media sizes supported (U.S. standard)	Letter, Legal, Statement, Executive, envelopes (No. 10, Monarch, 6 3/4 in), cards (3 x 5 in, 4 x 6 in, 5 x 8 in), photo (8 x 10 in, 5 x 7 in, 4 x 6 in, 3.5 x 5 in)
Media types	Plain Paper; HP Photo Papers; HP Matte Brochure or Professional Paper; HP Matte Presentation Paper; HP Glossy Brochure or Professional Paper; Other Photo Inkjet Papers; Other Matte Inkjet Papers; Other Glossy Inkjet Papers; Plain Paper, Light/Recycled
Media weight supported (metric)	60 to 300 g/m ²
Media weight supported (U.S. standard)	16 to 32 lb (plain paper); 20 to 55 lb (envelope); up to 110 lb (cards)
Duplex options	Manual (driver support provided)

Physical Dimensions

Maximum dimensions (W x D x H, metric)	380.2 x 401.5 x 269.8 mm (Scan + Print Tray opened)
Maximum dimensions (W x D x H, U.S. standard)	14.97 x 15.8 x 10.6 in (Scan + Print Tray opened)
Weight (metric)	2.96 kg (3.06 kg with Battery)
Weight (U.S. standard)	6.51 lb (6.73 lb with Battery)

Power

Energy savings feature technology	HP Auto-Off Technology
Power supply type	Built-in universal power supply
Power supply	Input voltage: 100 to 240 VAC, 50 to 60 Hz; 200 to 240 VAC, 50 to 60 Hz
Power consumption	0.14 watts (Manual-Off), 3.4 watts (Standby), 0.81 watts (Sleep)
Battery type	Rechargeable lithium ion battery pack
Battery charging voltage	12.45 V
Battery capacity	1050 mAh 12Wh
Battery life	Up to 225 ISO pages on full charge

Print Cartridges

Number of print cartridges	2: 1 black, 1 color (cyan, magenta, yellow)
Replacement cartridges	HP 62 Black Original Ink Cartridge; HP 62 Tri-color Original Ink Cartridge; HP 62XL High Yield Black Original Ink Cartridge; HP 62XL High Yield Tri-color Original Ink Cartridge

Printing Specifications

Print technology	HP Thermal Inkjet
Print speed (black, draft, Letter)	On AC: up to 20 ppm; On Battery: up to 18 ppm
Print speed (color, draft, Letter)	On AC: up to 19 ppm; On Battery: up to 17 ppm
Print resolution (best)	Up to 4800 x 1200 optimized dpi color (when printing from a computer and 1200 input dpi)
Maximum print area (metric)	209.9 x 349.6 mm
Maximum print area (U.S. standard)	8.3 x 13.8 mm
Monthly duty cycle	Up to 500 pages
Print languages	HP PCL 3 GUI
Printer smart features	Automatic paper width sensing; Paper presence sensor; Articulating control panel; Battery indicator; Phone charging from USB; Printer charging from USB host port (requires standard USB cable, printer charges from charging port and in OFF mode)

Regulatory Specifications

Regulatory model number	SNPRC-1604-01
Energy efficiency	ENERGY STAR® qualified
Safety	EN 60950/IEC 60950 Compliance (International); safety cCSAus (USA/Canada); GS approved; Russia EAC; China CCC; Taiwan BSMI; Australia/New Zealand RCM
Electromagnetic compatibility	EU (EMC Directive), USA (FCC Rules), Australia/New Zealand (RCM), Canada (ICES), China (CCC), Japan (VCCI registered), Korea (KC certified), Taiwan (BSMI certified)

Scan

Scanner advanced features	10-page Automatic Document Feeder (ADF)
Scan technology	CIS
Scan speed (normal)	Up to 9 ppm black/white or greyscale; up to 3.6 ppm color
Scan resolution, hardware	Up to 600 x 600 dpi
Levels of grayscale	256
Bit depth	24-bit
Maximum ADF scan size (metric)	216 x 356 mm
Maximum ADF scan size (U.S. standard)	8.5 x 14 in
Twain version	Version 1.9

System Requirements

Minimum system requirements	Windows 10, 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. Apple OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks; 1 GB HD;
Recommended system requirements	Windows 10, 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. Apple OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks; 1 GB HD; Internet required
Compatible network operating systems	Windows 10, 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. Apple OS X v10.11 El Capitan, OS X v10.10 Yosemite, OS X v10.9 Mavericks; 1 GB HD; Internet required;

3. Canon Pixma IP100 Portable Printer

Features

Compact & portable printer which can print A4 photo & document

1pl ink droplet & 9,600 x 2,400dpi print resolution

5-color ink printing

4R borderless photo printing: approx. 50 sec.

A4 document printing: 20 ppm (B&W) / 14 ppm (color)

Supports PictBridge connection, high speed infrared communication and Bluetooth(Optional) connection

Optional accessories: Lithium-ion battery and automobile power unit

High portability with weight only 2kg

Technical Specifications

PIXMA iP100 Specifications

Resolution (dpi)	Max.: 9,600(horizontal) x 2,400 (vertical)
Printing Method	Inkjet
Print head/ink	
Ink droplet size	1pl
Ink Tank	PGI-35 (Pigment), CLI-36 Color (Dye BK, C, M, Y)
Ink Capacity Standard (approx figure)	
Color chart	PGI-35: 191 sheets/ CLI-36: 249 sheets
Photo	PGI-35: 2020 sheets/ CLI-36: 111 sheets
Print Speed	
Bk text (Plain paper/New pattern)	20 ppm (A4 Fast Mode)
Color (Plain paper/New pattern)	14 ppm (A4 Fast Mode)
Photo (A4 image)	Standard: approx 99 sec
Photo (4"x6", borderless)	Standard: approx 50 sec
Printable Area	
Borderless printing	A4/ Envelop / 8 1/4" x 10 3/4" / 5"x7" / 4"x6" / Credit Card
Border printing	A4 / Envelop / Legal / A5 / B5 / Envelop (DL, COM10) / 4"x6" / 4"x8" / 5"x7" / 8 1/4" x 10 3/4" / Credit Card
Paper Handling (Rear Tray)	
Plain Paper	50 sheets
Photo Paper Plus Semi-gloss	(SG-201) A4=10 sheets, 4 1/4" x 6 1/2"=10 sheets
Photo Paper Plus Glossy	(PP-201) A4=10 sheets, 4 1/4" x 6 1/2"/5 1/4" x 7 1/2"=10 sheets
Glossy Photo Paper	(GP-501) A4=10 sheets, 4 1/4" x 6 1/2"/Credit Card=10 sheets
Photo Paper Plus Double Sided	(PP-101D) A4/5 1/4" x 7 1/2"=10 sheets
High Resolution Paper	(HR-101N) A4=30 sheets (Support Windows OS only)
T-Shirt Transfer	(TR-301) 1 sheet
Photo Stickers	(PS-101) 1 sheet
Envelope	European DL and US Com. #10=10 sheets
Interface	
PC	USB 2.0 hi-speed / IrDA / Bluetooth v2.0 (Optional)
Camera Direct	Direct Print Port (PictBridge)
Compatible OS (Printer Driver)	Windows Vista / XP SP2 / 2000 SP4, Mac OS X v10.3.9 to 10.5
Acoustic Noise	
Power Consumption	
Power Source	
Dimensions	
Weight	

HP Color LaserJet Pro MFP M281fdn(T6B81A)

Functions

Functions

- Print, Copy, Scan, Fax

Multitasking supported

- Yes

Printing Specifications

Print speed black:

Normal: Up to 21 ppm ⁵

Print speed color:

Normal: Up to 21 ppm ⁵

First page out (ready)

Black: As fast as 10.6 sec

Color: As fast as 12 sec ⁶

Duty cycle (monthly, A4)

Up to 40,000 pages

Recommended monthly page volume

150 to 2500

Print technology

- Laser

Print quality black (best)

- Up to 600 x 600 dpi

Print quality color (best)

- Up to 600 x 600 dpi

Print Resolution Technologies

HP ImageREt 3600

Print languages

- HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PCLm, PDF, URF

Display

- 2.7" color graphic screen

Processor speed

- 800 MHz

Automatic paper sensor

- No

Replacement cartridges

- HP 202A Black LaserJet Toner Cartridge (~1400 yield) CF500A
- HP 202A Cyan LaserJet Toner Cartridge (~1300 yield) CF501A;HP 202A Yellow LaserJet Toner Cartridge (~1300 yield) CF502A;HP 202A Magenta LaserJet Toner Cartridge (~1300 yield) CF503A
- HP 202X Black LaserJet Toner Cartridge (~3200 yield) CF500X
- HP 202X Cyan LaserJet Toner Cartridge (~2500 yield) CF501X;HP 202X Yellow LaserJet Toner Cartridge (~2500 yield) CF502X;HP 202X Magenta LaserJet Toner Cartridge (~2500 yield) CF503X;HP 203A Black LaserJet Toner Cartridge (~1400 yield) CF540A
- HP 203A Cyan LaserJet Toner Cartridge (~1300 yield) CF541A;HP 203A Yellow LaserJet Toner Cartridge (~1300 yield) CF542A;HP 203A Magenta LaserJet Toner Cartridge (~1300 yield) CF543A
- HP 203X Black LaserJet Toner Cartridge (~3200 yield) CF540X
- HP 203X Cyan LaserJet Toner Cartridge (~2500 yield) CF541X;HP 203X Yellow LaserJet Toner Cartridge (~2500 yield) CF542X;HP 203X Magenta LaserJet Toner Cartridge (~2500 yield) CF543X

Connectivity

HP ePrint capability

- Yes

Mobile printing capability

HP ePrint
Apple AirPrint™
Mopria™-certified
Mobile Apps

Connectivity, standard

- Hi-Speed USB 2.0 port
- built-in Fast Ethernet 10/100/1000 Base-TX network port, Fax port, Front Host USB

Network ready

- Standard built-in Ethernet

Minimum system requirements

- 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 Sierra(v10.12), El Capitan (v10.11), Yosemite (v10.10)
- 1.5 GB HD
- Internet required
- USB

Compatible operating systems

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.

Memory Specifications

Memory

256 MB DDR, 256 MB Flash

Maximum memory

256 MB DDR, 256 MB Flash

Paper Handling

Paper handling input, standard

- 250-sheet input tray

Paper handling output, standard

- 100-sheet output bin

Maximum output capacity (sheets)

- Up to 100 sheets (10 mm stack height)

Duplex printing

- Automatic (standard)

Media sizes supported

- Letter(216 x 280)
- Legal(216 x 356)
- Executive(184 x 267)
- Oficio 8.5x13(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)
- 10x15cm(100 x 150)

- Oficio 216x340mm(216 x 340)
- 16K 195x270mm(195x270)
- 16K 184x260mm(184x260)
- 16K 197x273mm(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)

Media sizes, custom

- 76 x 127 to 216 x 356 mm

Media types

- Paper (bond, brochure, colored, glossy, heavy, letterhead, light, photo, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes, cardstock

Media weight, supported

- 60 to 163 g/m² (Uncoated/Matte, recommended), however up to 175 g/m² Postcards and 200 g/m² HP Matte is allowed in the driver
- 60 to 163 g/m² (Coated/Glossy, recommended), however up to 175 g/m² Postcards and 220 g/m² HP Glossy is allowed in the driver.

Media weights, supported ADF

- 60 to 90 g/m²

Scanner Specifications

Scanner type

- Flatbed, ADF

Scan file format

- JPG, RAW (BMP), PNG, TIFF, PDF

Scan resolution, optical

- Up to 300 dpi (color and mono ADF)
- up to 1200 dpi (Flatbed)

Scan size, maximum

- 215.9 x 297 mm

Scan size (ADF), maximum

- 215.9 x 355.6 mm

Scan size ADF (minimum)

- 102 x 152 mm

Scan speed (normal, A4)

Up to 26 ppm^g

Duplex ADF scanning

- No

Automatic document feeder capacity

- Standard, 50 sheets

Digital sending standard features

- Scan to email
- scan to folder
- scan to USB drive

File Format Supported

- PDF
- JPG

Scan input modes

- Front-panel scan, copy, e-mail, fax
- HP Scan software
- and user application via TWAIN or WIA

Copier Specification

Copy speed (normal)

Black: Up to 21 cpm

Color: Up to 21 cpm

(First Copy Out and Copy Speed measured using ISO/IEC 29183, 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.)

Copy resolution (black text)

- Up to 600 x 600 dpi

Copy resolution (color text and graphics)

- 600 x 600 dpi

Copy reduce / enlarge settings

- 25 to 400%

Copies, maximum

- Up to 99 copies

Fax Specification

Faxing

- Yes

Fax transmission speed

33.6 kbps (maximum), 14.4 kbps (default) ⁴

(Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.)

Fax memory

- Up to 1300 pages

Fax Resolution Black (best)

- Up to 300 x 300 dpi

Fax Speed Dials, Maximum Number

- Up to 120 numbers

Fax Broadcast Locations

- 119

Power and Operating Requirements

Power

- 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)

Power consumption

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) ²

Operating temperature range

- 15 to 30°C

Operating humidity range

- 30 to 70% RH

Acoustic power emissions (ready)

2.6 B(A)

Acoustic pressure emissions bystander (active, printing)

50 dB(A) (Mono), Simplex
 50 dB(A) (Color), Simplex
 50 dB(A) (Mono), Duplex
 49 dB(A) (Color), Duplex

Dimensions and Weight

Minimum dimensions (W x D x H)

420 x 421.7 x 334.1 mm

Maximum dimensions (W x D x H)

424 x 475 x 338 mm

Weight

18.7 kg

Package weight

- 21.5 kg

HP Color LaserJet Pro MFP M281fdw(T6B82A)

Functions

Functions

- Print, Copy, Scan, Fax
- Multitasking supported
- Yes

Printing Specifications

Print speed black:

Normal: Up to 21 ppm ⁶

Print speed color:

Normal: Up to 21 ppm ⁸

First page out (ready)

Black: As fast as 10.6 sec
Color: As fast as 12.3 sec ⁸

Duty cycle (monthly, A4)

Up to 40,000 pages

Recommended monthly page volume

150 to 2500

Print technology

- Laser

Print quality black (best)

- Up to 600 x 600 dpi

Print quality color (best)

- Up to 600 x 600 dpi

Print Resolution Technologies

HP ImageREt 3600

Print languages

- HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PCLm, PDF, URF

Display

- 2.7" color graphic screen

Processor speed

- 800 MHz

Automatic paper sensor

- No

Replacement cartridges

- HP 202A Black LaserJet Toner Cartridge (~1400 yield) CF500A
- HP 202A Cyan LaserJet Toner Cartridge (~1300 yield) CF501A;HP 202A Yellow LaserJet Toner Cartridge (~1300 yield) CF502A;HP 202A Magenta LaserJet Toner Cartridge (~1300 yield) CF503A
- HP 202X Black LaserJet Toner Cartridge (~3200 yield) CF500X
- HP 202X Cyan LaserJet Toner Cartridge (~2500 yield) CF501X;HP 202X Yellow LaserJet Toner Cartridge (~2500 yield) CF502X;HP 202X Magenta LaserJet Toner Cartridge (~2500 yield) CF503X;HP 203A Black LaserJet Toner Cartridge (~1400 yield) CF540A
- HP 203A Cyan LaserJet Toner Cartridge (~1300 yield) CF541A;HP 203A Yellow LaserJet Toner Cartridge (~1300 yield) CF542A;HP 203A Magenta LaserJet Toner Cartridge (~1300 yield) CF543A
- HP 203X Black LaserJet Toner Cartridge (~3200 yield) CF540X
- HP 203X Cyan LaserJet Toner Cartridge (~2500 yield) CF541X;HP 203X Yellow LaserJet Toner Cartridge (~2500 yield) CF542X;HP 203X Magenta LaserJet Toner Cartridge (~2500 yield) CF543X

Connectivity

HP ePrint capability

- Yes

Mobile printing capability

HP ePrint
Apple AirPrint™
Mopria™-certified
Wireless Direct Printing
Mobile Apps

Wireless capability

- Built-in 802.11 b/g/n
- authentication via WEP, WPA/WPA2, or 802.11x
- encryption via AES or TKIP
- WPS
- Wi-Fi Direct

Connectivity, standard

- Hi-Speed USB 2.0 port
- built-in Fast Ethernet 10/100/1000 Base-TX network port, 802.11n 2.4/5GHz wireless, Fax port, Front Host USB

Network ready

- Standard built-in Ethernet 802.11 b/g/n wifi operates as both an AP (with Wi-Fi Direct) and STA

Minimum system requirements

- 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 Sierra(v10.12), El Capitan (v10.11), Yosemite (v10.10)
- 1.5 GB HD
- Internet required
- USB

Compatible operating systems

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.

Memory Specifications

Memory

256 MB DDR, 256 MB Flash

Maximum memory

256 MB DDR, 256 MB Flash

Paper Handling

Paper handling input, standard

- 250-sheet input tray
- 1-sheet priority tray

Paper handling output, standard

- 100-sheet output bin

Maximum output capacity (sheets)

- Up to 100 sheets (10 mm stack height)

Duplex printing

- Automatic (standard)

Media sizes supported

- Letter(216 x 280)
- Legal(216 x 356)

- Executive(184 x 267)
- Oficio 8.5x13(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)
- 10x15cm(100 x 150)
- Oficio 216x340mm(216 x 340)
- 16K 195x270mm(195x270)
- 16K 184x260mm(184x260)
- 16K 197x273mm(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)

Media sizes, custom

- 76 x 127 to 216 x 356 mm

Media types

- Paper (bond, brochure, colored, glossy, heavy, letterhead, light, photo, plain, preprinted, prepunched, recycled, rough), transparencies, labels, envelopes, cardstock

Media weight, supported

- 60 to 163 g/m² (Uncoated/Matte, recommended), however up to 175 g/m² Postcards and 200 g/m² HP Matte is allowed in the driver
- 60 to 163 g/m² (Coated/Glossy, recommended), however up to 175 g/m² Postcards and 220 g/m² HP Glossy is allowed in the driver.

Media weights, supported ADF

- 60 to 90 g/m²

Scanner Specifications

Scanner type

- Flatbed, ADF

Scan file format

- JPG, RAW (BMP), PNG, TIFF, PDF

Scan resolution, optical

- Up to 300 dpi (color and mono ADF)
- up to 1200 dpi (Flatbed)

Scan size, maximum

- 215.9 x 297 mm

Scan size (ADF), maximum

- 215.9 x 355.6 mm

Scan size ADF (minimum)

- 102 x 152 mm

Scan speed (normal, A4)

Up to 26 ppm⁹

Duplex ADF scanning

- No

Automatic document feeder capacity

- Standard, 50 sheets

Digital sending standard features

- Scan to email
- scan to folder
- scan to USB drive

File Format Supported

- PDF
- JPG

Scan input modes

- Front-panel scan, copy, e-mail, fax
- HP Scan software
- and user application via TWAIN or WIA

Copier Specification

Copy speed (normal)

Black: Up to 21 cpm

Color: Up to 21 cpm

(First Copy Out and Copy Speed measured using ISO/IEC 29183, 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.)

Copy resolution (black text)

- Up to 600 x 600 dpi

Copy resolution (color text and graphics)

- 600 x 600 dpi

Copy reduce / enlarge settings

- 25 to 400%

Copies, maximum

- Up to 99 copies

Fax Specifications

Faxing

- Yes

Fax transmission speed

33.6 kbps (maximum), 14.4 kbps (default) ⁴

(Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.)

Fax memory

- Up to 1300 pages

Fax Resolution Black (best)

- Up to 300 x 300 dpi

Fax Speed Dials, Maximum Number

- Up to 120 numbers

Fax Broadcast Locations

- 119

Power and Operating Requirements

Power

- 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)

Power consumption

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) ²

Operating temperature range

- 15 to 30°C

Operating humidity range

- 30 to 70% RH

Acoustic power emissions (ready)

2.6 B(A)

Acoustic pressure emissions bystander (active, printing)

50 dB(A) (Mono), Simplex

50 dB(A) (Color), Simplex

50 dB(A) (Mono), Duplex

49 dB(A) (Color), Duplex

Dimensions and Weight

Minimum dimensions (W x D x H)

420 x 421.7 x 334.1 mm

Maximum dimensions (W x D x H)

424 x 475 x 338 mm

Weight

18.7 kg

Package weight

- 21.5 kg

MAXIFY MB5470

PHP 20,995 SRP

Print

Maximum Printing Resolution	600 (horizontal) x 1200 (vertical) dpi	
Print Head / Ink	Type:	Individual Ink Cartridges
	Number of Nozzles:	Total 4,352 nozzles
	Ink Cartridge:	PGI-2700 (Cyan, Magenta, Yellow, Black) Optional: PGI-2700XL (Cyan, Magenta, Yellow, Black)
Print Speed* Based on ISO / IEC 24734. Click here for summary report Click here for Document Print and Copy Speed Measurement Conditions	Document: Colour: ESAT / Simplex	Approx. 15.5ipm
	Document: Colour:	Max. 26.5ppm ²
	Document: B / W: ESAT / Simplex	Approx. 24.0ipm
	Document: B / W:	Max. 32.5ppm ²
	Document: Colour: ESAT / Duplex	Approx. 9.5ipm
	Document: B / W: ESAT / Duplex	Approx. 13.0ipm
	Document: Colour: FPOT Ready / Simplex	Approx. 7secs.
	Document: B / W: FPOT Ready / Simplex	Approx. 6 secs.
	Document: Colour: FPOT Sleep / Simplex	Approx. 12secs.
	Document: B / W: FPOT Sleep / Simplex	Approx. 10secs.
Printable Width	Up to 203.2mm (8-inch)	
	Bordered Printing:	Top margin: 3mm, Bottom margin: 5mm, Left / Right margin: each 3.4mm (Letter, Legal: Left: 6.4mm, Right: 6.3mm)
	Bordered Auto Duplex Printing:	Top margin: 3mm, Bottom margin: 5mm, Left / Right margin: each 3.4mm (Letter, Legal: Left: 6.4mm, Right: 6.3mm)
Recommended Printing Area	Top Margin:	45.8mm
	Bottom Margin:	36.8mm
Paper Size	A4, A5, B5, Letter, Legal, Oficio, B-Oficio*, M-Oficio, Foolscap, Legal (India), Executive, 4 x 6", 5 x 7", 8 x 10", Envelopes (DL, COM10, C5, Monarch) Custom size [cassette (upper)]: width 89 - 216.0mm, length 127 - 355.6mm, cassette (lower): width 210 - 216.0mm, length 279.4 - 355.6mm *Not supported for Mac	

Paper Handling (Cassette1: Upper) (Maximum Number)	Plain Paper	A4, A5, B5, Letter, Legal = 250
	Photo Paper Pro Luster (LU-101)	A4 = 10
	Matte Photo Paper (MP-101)	4 x 6" = 20, A4 = 10
	Photo Paper Plus Glossy II (PP-201)	4 x 6" = 20, A4 = 10
	Glossy Photo Paper "Everyday Use" (GP-508)	4 x 6" = 20, A4 = 10
	High Resolution Paper (HR-101N)	A4 = 65
	Photo Paper Plus Semi-Gloss (SG-201)	4 x 6" = 20, A4, 8 x 10" = 10
	Envelope	Envelopes (DL, COM10, C5, Monarch) = 10, A4, Letter, Legal = 250
Paper Handling (Cassette2: Lower) (Maximum Number)	Plain Paper	
Paper Output	Approx. 75 pages (A4, Letter, Legal)	
Support Media for Auto 2-sided Printing	Type:	Plain Paper
	Size:	A4, Letter
Paper Weight	Cassette1 (Upper):	Plain Paper: 64-105 g/m ² , Canon specialty paper: max paper weight: approx. 275g/m ² (Photo Paper Plus Glossy II PP-201)
	Cassette2 (Lower):	Plain Paper: 64-105 g/m ²
Ink End Sensor	Electrical pulse detect + Dot count	
Print Head Alignment	Auto / Manual	

Scan

Scanner Type	Flatbed & ADF	
Scanning Method	CIS (Contact Image Sensor) ×2 (2-sided)	
Duplex Scanning	Available (Single pass 2-sided scan)	
Optical Resolution **	1200 x 1200 dpi	
Selectable Resolution **	2.5 - 19200 dpi	
Scanning Bit Depth (Input / Output)	Grayscale:	16bit / 8bit
	Colour:	48bit / 24bit (RGB each 16bit / 8bit)
Scanning Speed ***	Document (ADF): Colour: scESAT30secA / Simplex	Approx. 16.0ipm
	Document (ADF): B / W: scESAT30secA / Simplex	Approx. 19.0ipm

	Document (ADF): Colour: scESAT30secA / Duplex	Approx. 23.0ipm
	Document (ADF): B / W: scESAT30secA / Duplex	Approx. 23.0ipm
	Document (ADF): Colour: scEFTP30secF / Simplex	Approx. 15.0ipm
	Document (ADF): B / W: scEFTP30secF / Simplex	Approx. 17.5ipm
	Document (ADF): Colour: scEFTP30secF / Duplex	Approx. 21.0ipm
	Document (ADF): B / W: scEFTP30secF / Duplex	Approx. 21.5ipm
Maximum Document Size	Flatbed	A4, Letter (216 x 297mm)
	ADF	A4 / Letter / Legal

Copy

Maximum Document Size	A4, Letter (216 x 297mm) ADF: A4 / Letter / Legal	
Compatible Media	Size:	A6, A4, A5, B5, Letter, Legal, Oficio, B-Oficio, M-Oficio, Foolscap, Legal (India), Executive, 4 x 6", 5 x 7"
	Type:	Plain Paper Photo Paper Plus Glossy II (PP-201) Photo Paper Plus semi-Gloss (SG-201) Glossy Photo Paper "Everyday Use" (GP-508) Matte Photo Paper (MP-101) Photo Paper Pro Luster (LU-101)
Image Quality	2 positions (Standard, High)	
Density Adjustment	9 positions, Auto intensity (AE copy)	
Copy Speed ^{*)} Based on ISO / IEC 29183. Click here for summary report Click here for Document Print and Copy Speed Measurement Conditions	Document: Colour: sFCOT / Simplex	Approx. 11secs.
	Document (ADF): Colour: ESAT / Simplex	Approx. 11.5ipm
	Document (ADF): B / W: ESAT / Simplex	Approx. 22.0ipm
	Document (ADF): Colour: ESAT / Duplex	Approx. 6.0ipm
	Document (ADF): B / W: ESAT / Duplex	Approx. 10.0ipm

Multiple Copy

Black / Colour:

max. 99 pages

Fax

Type	Desktop Transceiver (Super G3 / Color Communication)	
Applicable Line	PSTN (Public Switched Telephone Network)	
Transmission Speed *	Black:	Approx. 3secs. (33.6kbps)
	Colour:	Approx. 1min. (33.6kbps)
Fax Resolution	Black:	8pels/mm x 3.85lines/mm (Standard) 8pels/mm x 7.7lines/mm (Fine) 300 x 300dpi (Extra Fine)
	Colour:	200 x 200dpi
Print Size	A4, Letter, Legal	
Scanning Width	208mm (A4), 214mm (Letter)	
Modem Speed	maximum 33.6kbps (Automatic fall back)	
Compression	Black:	MH, MR, MMR
	Colour:	JPEG
Gradation	Black:	256 levels
	Colour:	24bit Full color (RGB each 8bit)
ECM (Error Correction Mode)	ITU - T T.30 compatible	
Automatic Dialing	Coded Speed Dialing	max. 100 locations
	Group Dialing	max. 99 locations
Transmission / Reception Memory *	Approx. 250 pages	

PC Fax

PC FAX	Windows: Available, Mac: Available	
Destination Number	1 location	
Black / Colour	B / W transmission only	

Network

Protocol	SNMP (Standard MIB), TCP / IP	
Wired LAN	Network Type:	IEEE802.3u (100BASE-TX) / IEEE802.3 (10BASE-T)
	Data Rate:	10M / 100Mbps (auto switchable)
Wireless LAN	Network Type:	IEEE802.11n / IEEE802.11g / IEEE802.11b
	Frequency Band:	2.4GHz
	Channel:	1 - 13
	Range:	indoor 50m (depends on the transmission speed and conditions)
	Security:	WEP64 / 128bit, WPA-PSK (TKIP / AES), WPA2-PSK (TKIP / AES)
Direct connection (Wireless LAN)	Available	

Print Solutions

Apple AirPrint	Available	
Layout	1-up (bordered only)	Letter, A4, 4 x 6", 5 x 7", 8 x 10", A5, B5, Legal, A6, Oficio, M-Oficio, Foolscap, Legal (India), Executive, Envelopes (DL, COM Monarch) Custom size [cassette (upper)]: width 89 - 216.0mm, length 127 - 355.6mm, cassette (lower): wi 216.0mm, length 279.4 - 355.6mm)
	Print Quality *12	Standard / High
Microsoft Mobile Print	Available	
Layout	1-up (bordered only)	Letter, A4, 4 x 6", 5 x 7", 8 x 10", A5, B5, Legal, Envelopes (DL, COM10)
	Print Quality *12	Standard / High
Mopria	Available	
Google Cloud Print	Available	
Canon Print Service Plugin (for Android OS)	Available	
PIXMA / MAXIFY Cloud Link	from smartphone or tablet:	Available
	from printer:	Available
Canon PRINT Inkjet / SELPHY (for iOS / for Android) Canon Easy-PhotoPrint (for Windows RT)	Available	
Layout	1-up (bordered only)	Letter, A4, 4 x 6", 5 x 7", 8 x 10", A5, B5, Legal, A6, Oficio, B-Oficio, M-Oficio, Foolscap, Legal (India), Executive

Print Quality

Fixed

Systems Requirements

System Requirements

(Please visit www.canon-asia.com to check OS compatibility and to download the latest driver updates.)

Windows:	Windows 10, Windows 8, Windows 7 SP1, Windows Vista SP2
Macintosh:	Mac OS X v10.8.5 and later

General Specifications

Operation Panel	Display:	LCD (3.5-inch / 8.8cm TFT color / Touch)
	Language:	33 Languages Selectable: Japanese / English (mm & inch) / German / French / Italian / Spanish / Dutch / Portuguese / Norwegian / Swedish / Danish / Finnish / Russian / Czech / Hungarian / Polish / Slovene / Turkish / Greek / Simplified Chinese / Traditional Chinese / Korean / Indonesian / Slovak / Estonian / Latvian / Lithuanian / Ukrainian / Romanian / Bulgarian / Croatian / Thai / Vietnamese
ADF	Paper Handling (Plain Paper 17 lb. Bond)	A4 / Letter = 50, Legal = 10, Others = 1
	Auto 2-sided	Available (Single pass 2-sided scan)
Interface	USB A Port	USB flash memory
	USB B Port	USB 2.0 High Speed
USB Flash Memory	File Format ^{*16}	JPEG and TIFF (Exif-compliant) taken by DCF (Ver.1.0 / 2.0) compliant digital cameras. (Exif ver2.2 / 2.21 / 2.3 compliant)
Operating Environment ^{*12}	Temperature: 5 - 35°C Humidity: 10 - 90% RH (no dew condensation)	
Recommended Environment ^{*13}	Temperature: 15 - 30°C Humidity: 10 - 80% RH (no dew condensation)	
Storage Environment	Temperature: 0 - 40°C Humidity: 5 - 95% RH (no dew condensation)	
Quiet mode	Available	
Acoustic Noise (PC Print)	Document (A4, B/W, Default) ^{*10}	Approx. 56dB(A)
Power	AC 100-240V 50/60Hz	
Power Consumption	Standby (scanning lamp is off) USB connection to PC	Approx. 0.9W
	OFF	Approx. 0.3W

	Copying ^{***} (USB connection to PC);	Approx. 27W
Typical Electricity Consumption (TEC) ^{***}	Approx. 0.2kWh	
Environment	Regulation:	RoHS (EU, China)*, WEEE (EU)* *To be fixed
	Eco-Label:	Energy Star* *To be fixed
Duty Cycle	up to 30,000 pages/month	
Dimension (W x D x H)	Factory configuration	Approx. 463 x 394 x 351mm
	Paper installed (A4 / LTR)	Approx. 463 x 459 x 351mm
	Output / ADF trays extended	Approx. 463 x 607 x 389mm
Weight	Approx. 12.9kg	