

Wireless, Print, Scan and Copy



HP Smart Tank Wireless 455 All-in-One

Get up to two years of ink and easy mobile printing with one simple purchase.^{2,6}
Print up to 8,000 colour and 6,000 black pages¹ from a spill-free ink system⁷ – and produce outstanding quality.



Out-of-the-box convenience

- Long-lasting print performance with up to two years of ink in the box.²
- Print up to 8,000 pages with a set of HP colour bottles or up to 6,000 pages with an HP black ink bottle.¹
- Print high volumes at an extremely low cost-per-page with this high-capacity ink tank system.⁹



No mess. No waste

- Easily refill your ink tank system with spill-free, resealable bottles.⁷
- Easily monitor ink levels and replenish Original HP ink when you want.
- Transparent ink tanks allow you to print with confidence.



Exceptional HP quality

- Count on darker, crisper text, time after time.⁴
- Count on HP Original inks for photos that last up to 22 times longer.⁵
- Create borderless brochures, flyers, photos, and other documents that look great—right in your office.
- Get the features you need for work and other tasks with copy and scan functions.



Easy mobile printing and scanning

- Print from your smartphone, and scan and share from virtually anywhere.³
- Order ink directly through the HP Smart app.³
- Easily print from a variety of smartphones and tablets.⁶
- Connect your smartphone or tablet directly to your printer—and easily print without accessing a network.⁸

¹ Black and composite colour average per bottle (cyan/magenta/yellow) results based on HP methodology and continuous printing of ISO/IEC 24712 test pages. Not based on ISO/IEC 24711 test process. An additional black ink bottle is required to print 8,000 colour test pages. Actual yield varies based on content of printed pages and other factors. Some ink from included bottles is used to start up the printer. For more information about fill and yield, see hp.com/go/learnabouteink

² Based on median customer ink usage for HP DeskJet GT 5820 WL printer.

³ Requires the HP Smart app download. Features controlled may vary by mobile device operating system. Full list of supported operating systems and details at support.hp.com/us-en/document/c03561640. For details on local printing requirements see hp.com/go/mobileprinting

⁴ Based on HP internal testing optical density testing comparing with HP DeskJet 5800 series with HP 51 and HP 52 inks.

⁵ Plain paper documents and photos stored under glass with OEM inks. Compared to tested in-class competing OEM ink tank systems from Epson, Canon and Brother. See June 8, 2017 Statement and Wilhelm Imaging Research report wilhelm-research.com and hp.com/go/printpermanence

⁶ For details on local printing requirements see hp.com/go/mobileprinting

⁷ When used in accordance with set up instructions.

⁸ 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. Wi-Fi Direct[®] is a registered trademark of Wi-Fi Alliance[®].

⁹ HP ink bottles compared to HP ink cartridges. Cost per page based on expected black and composite (cyan/magenta/yellow) page yield results based on HP methodology and continuous printing of ISO/IEC 24712 test pages. Not based on ISO/IEC 24711 test process. Actual yield varies based on content of printed pages and other factors. Some ink from included bottles is used to start up the printer. For more information about fill and yield, see hp.com/go/learnabouteink

Technical specifications

AIO functions	Wireless, Print, Scan and Copy
Print	
Technology	HP Thermal Inkjet
Duplex print options	Manual (driver support provided)
Speed ¹	Black: Up to 19 ppm (draft, A4); Up to 8 ppm (ISO); Colour: Up to 15 ppm (draft, A4); Up to 5 ppm (ISO)
First page out (A4, ready)	Black: As fast as 13 seconds; Colour: As fast as 17 seconds
Resolution	Black (best): Up to 1200 x 1200 rendered dpi; Colour (best): Up to 4800 x 1200 optimised dpi colour (when printing from a computer and 1200 input dpi)
Languages	HP PCL 3 GUI
Wireless capability	Yes
Mobile printing capability ²	Yes
Borderless printing	Yes, up to 210 x 297 mm (A4)
Ink types	Dye-based (colour); pigment-based (black)
Scan	
Type	Flatbed
Technology	Contact Image Sensor (CIS)
Resolution	Hardware: Up to 1200 x 1200 dpi; Optical: Up to 1200 x 1200 dpi; Enhanced: Up to 1200 dpi
Max scanning size	Flatbed: 216 x 297 mm
Input modes	Scanning via HP Photosmart Software
Grayscale levels	256
Bit depth	24-bit
File format	JPEG, TIFF, PDF, BMP, PNG
Copy	
Speed ³	Black: Up to 7 cpm (ISO); Colour: Up to 2 cpm (ISO)
Resolution	Black (text and Graphics): Up to 600 x 300 dpi; Colour (text and graphics): Up to 600 x 300 dpi
Max copies	Up to 9 copies
Display	7 segment + icon LCD
Duty cycle (monthly, A4) ⁴	Up to 1,000 pages
Recommended monthly page volume	400 to 800 pages
Media	
Supported sizes	A4; B5; A6; DL envelope
Supported weights	A4: 60 to 90 g/m ² ; HP envelopes: 75 to 90 g/m ² ; HP cards: up to 200 g/m ² ; HP 10 x 15 cm photo paper: up to 300 g/m ²
Recommended weights	75 g/m ²
Types	Plain Paper, HP Photo Papers, HP Matte Brochure or Professional Paper, HP Matte Presentation Paper, HP Glossy Brochure or Professional Paper, Photo Inkjet Papers, Matte Inkjet Papers, Glossy Inkjet Papers
Paper handling	60-sheet input tray; 25-sheet output tray
Memory	
Processor speed	365 MHz
Operating system compatibility	Microsoft® Windows® 10, 8.1, 8, Windows Vista®, Windows® XP SP3 or higher (32-bit only); Windows Server 2008 32-bit (SP1 or greater), Windows Server 2008 64-bit (SP1 or greater), 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, OS X v10.10 Yosemite, OS X v10.11 El Capitan, macOS Sierra v10.12 (previously OS X)
Minimum system requirements	PC: Microsoft® Windows® 10, 8.1, 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 Server support is provided via the command line installer - Windows Server 2008 32-bit (SP1 or greater), Windows Server 2008 64-bit (SP1 or greater), Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2016; Mac: OS X v10.10 Yosemite - 1.5 GB Available Space, Internet Access OS X v10.11 El Capitan - 1.5 GB Available Space, Internet Access macOS Sierra v10.12 (previously OS X) - 1.5 GB Available Space, Internet Access
Connectivity	
Connectivity (Standard)	Wireless, USB, Wi-Fi Direct
Supported network protocols	9105 Direct IP, LPR, Embedded Web Server, SNMP, SLP, WS-Print
Dimensions (W x D x H)⁵	525 x 310 x 158 mm
Weight	4.67 kg
Environmental	
Operating environment	Operating temperature range: 5 to 40° C; Recommended operating temperature range: 15 to 30° C; Operating humidity range: 15 to 80% RH (non-condensing); Recommended operating humidity range: 20 to 80% RH; Storage temperature range: -40 to 60° C; Energy Savings Feature Technology: HP Auto-Off Technology
Acoustics	Acoustic power emissions: 6.0 B(A); Acoustic Power Emissions (active copy): 7.1 B(A) (copying at 25 ppm with ADF running); Acoustic pressure emissions: 52 dB
Power specifications	Power supply type: Internal; Power supply required: Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz). High voltage: input voltage 200 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3Hz); Power consumption⁶: 10 watts maximum, 0.07 watts (Off), 2.1 watts (Standby), 0.88 watt (Sleep)
Warranty	One year of 24/7 world-class technical support services through hp.com/support ; One-year or 20,000 pages limited hardware warranty, whichever is earlier from the date of purchase; user replaceable parts have separate warranty periods
What's in the box	HP Smart Tank Wireless 455; HP 30 Black Ink Bottle (135 ml), HP 31 Cyan Ink Bottle (70 ml), HP 31 Magenta Ink Bottle (70 ml), HP 31 Yellow Ink Bottle (70 ml), Black 6,000 pages, Colour 8,000 pages; Software CD; Setup Poster; Power Cord; USB Cable; [For ink volume and page yield information, visit hp.com/go/learnaboutsupplies]

¹ Either after first page or after first set of ISO test pages. For details see: hp.com/go/printerclaims

² Wireless performance is dependent upon physical environment and distance from the access point. Wireless operations are compatible with 2.4 GHz routers only; excludes wireless direct. Wireless direct may require driver or apps be installed and connected on wireless-enabled mobile device or PC. Wireless functionality may vary by computer and mobile operating systems, see hpconnected.com. Print times and connection speeds may vary. AirPrint™ supports OS X® Lion, OS X® Mountain Lion and the following devices running iOS 4.2 or later: iPad®, iPhone® (3GS or later), iPod touch® (3rd generation or later) and requires the printer be connected to the same network as your OS X or iOS device. AirPrint, the AirPrint Logo, iPad, iPhone, and iPod touch are trademarks of Apple® Inc. Windows® is a trademark of the Microsoft group of companies. BlackBerry® names and logos are the property of Research In Motion Limited. Android is a trademark of Google Inc.

³ Speed specifications have been updated to reflect current industry testing methods.

⁴ HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement.

⁵ Dimensions vary as per configuration

⁶ 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.

⁷ Up to 8,000 colour or 6,000 black pages included; Black and composite colour average per bottle (cyan/magenta/yellow) results based on HP methodology and continuous printing of ISO/IEC 24712 test pages. Not based on ISO/IEC 24711 test process. An additional black ink bottle is required to print 8,000 colour test pages. Actual yield varies based on content of printed pages and other factors. Some ink from included bottles is used to start up the printer. For more information about fill and yield, see hp.com/go/learnaboutsupplies

⁸ Available in selected countries only.

Ordering information

Number	Description
Z4B56A	HP Smart Tank Wireless 455 All-in-One

Recommended Cartridges⁷

Number	Description
1VU29AA	HP 30 Black Original Ink Bottle (~6,000 pages)
1VU26AA	HP 31 Cyan Original Ink Bottle (~8,000 pages)
1VU27AA	HP 31 Magenta Original Ink Bottle (~8,000 pages)
1VU28AA	HP 31 Yellow Original Ink Bottle (~8,000 pages)

Average based on ISO/IEC 24711 or HP testing methodology and continuous printing. Actual yield varies considerably based on content of printed pages and other factors. For more information about fill and yield, see hp.com/go/learnaboutsupplies

Recommended Papers⁸

Number	Description
C6818A	HP Professional Inkjet Paper, Glossy, A4, 50 sheets, 180 g/m ²
Q6593A	HP Professional Inkjet Paper, Matte, A4, 200 sheets, 120 g/m ²
Q8008A	HP Advanced Glossy Photo Paper, 4 x 6, 60 sheets, 250 g/m ²
Q5456A	HP Advanced Glossy Photo Paper, A4, 25 sheets, 250 g/m ²
Q8691A	HP Advanced Glossy Photo Paper, 10 x 15, 25 sheets, 250 g/m ²
CG850A	HP Glossy Photo Paper, A4, 20 sheets, 180 g/m ²
CG851A	HP Glossy Photo Paper, 10 x 15, 20 sheets, 180 g/m ²

Please visit hp.com/apac/paper for more details.

HP Care Packs

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Number	Description
U9NQ8E	HP 1-year Next Business Day Exchange MFP Page Limit - E SVC
U9NQ9E	HP 2-year Next Business Day Exchange MFP Page Limit - E SVC
U9NR1E	HP 1-year Onsite Exchange MFP Page Limit - E SVC
U9NR2E	HP 2-year Onsite Exchange MFP Page Limit - E SVC
U9NR4E	HP 1-year Return MFP Page Limit - E SVC
U9NR5E	HP 2-year Return MFP Page Limit - E SVC

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For more information, please visit us at hp.com/apac/homeandoffice

HP SureSupply⁹

Discover how HP SureSupply redefines convenience in purchasing printer cartridge supplies online.

To order online, please visit hp.com/apac/oac for more details.⁹



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