Data sheet

HP Smart Tank Wireless 455

Fill it. Shut it. Print it. Up to two years of ink included, right out of the box.[1]

Get up to two years of ink and easy mobile printing with one simple purchase.[2,3] Print up to 8,000 colour and 6,000 black pages[1] from a spill-free ink system[4] – and produce outstanding quality.

Highlights

- Wireless & Mobile printing
- Fast easy setup
- High Quality long-lasting inks
- Clean, easy refill experience
- Extremely low cost Printing

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.[5]

No mess. No waste.

- Easily refill your ink tank system with spill-free, resealable bottles.[4]
- 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.[6]
- Count on HP Original inks for photos that last up to 22 times longer.[7]
- 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.[8]
- Order ink directly through the HP Smart app.[8]
- Easily print from a variety of smartphones and tablets.[3]
- Connect your smartphone or tablet directly to your printer, and easily print without accessing a network.[9]

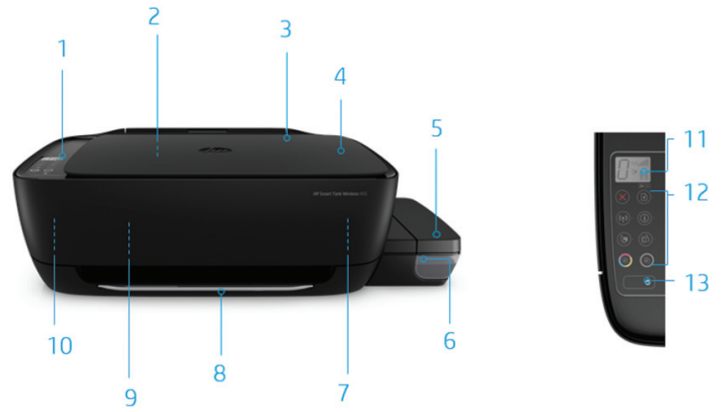Quiet mode   Wireless direct   Borderless

Product walkaround

HP Smart Tank Wireless 455 shown

1. Control panel
2. Up to 60-sheet input tray
3. 21.0 x 29.7-cm (A4) flatbed scanner
4. Replaceable printheads
5. Spill-free refill system
6. High-capacity transparent tanks
7. Automatic valve technology
8. Tray extender
9. Built-in Wi-Fi Direct® and wireless networking
10. Easy mobile printing with the HP Smart App
11. LCD screen (with easy-to-understand status icons)
12. Task execution buttons (Cancel, Resume, Wireless information, Start Copy Colour, Start Copy Black)
13. Power button

Accessories, Supplies and Support

Supplies	**1VU26AE** HP 31 70-ml Cyan Original Ink Bottle
	1VU27AE HP 31 70-ml Magenta Original Ink Bottle
	1VU28AE HP 31 70-ml Yellow Original Ink Bottle
	1VU29AE HP 30 135-ml Black Original Ink Bottle
Service and support	**U9UC1E** HP 2 year Care Pack with Standard Exchange for Multifunction Printers **U9NQ9E** HP 2 year Care Pack with Next Day Exchange for Multifunction Printers **U9NR5E** HP 2 year Care Pack with Return to Depot Support for Multifunction Printers (U9UC1E: All EMEA countries Except ME, Africa, South Africa, Israel, Turkey, U9NQ9E: Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, UK, Czech, Greece, Hungary, Poland, Slovakia, U9NR5E: ME, Africa, South Africa, Israel, Turkey)

Technical specifications

Model	**HP Smart Tank Wireless 455**
Product number	Z4B56A
Functions	Print, copy, scan, wireless
Control panel	7 LEDS and 9 buttons, also with one ICON LCD for display
Print	
Print technology	HP Thermal Inkjet
Print speed[1]	**Black (A4, ISO)**: Up to 8 ppm; **Colour (A4, ISO)**: Up to 5 ppm; **Black (General Office)**: Up to 19 ppm; **Colour (General Office)**: Up to 15 ppm
First page out	**Black (A4, ready)**: As fast as 14 sec; **Colour (A4, ready)**: As fast as 18 sec
Print 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 on selected HP photo papers and 1200 input dpi)
Monthly duty cycle	Up to 1,000 pages (A4); **Recommended monthly page volume:** 400 to 800

Model	**HP Smart Tank Wireless 455**
Product number	Z4B56A
Standard print languages	HP PCL 3 GUI
Print area	**Print margins**: Top: 3 mm, Bottom: 3 mm, Left: 3 mm, Right: 3 mm; **Maximum print area**: 221 x 355 mm
Borderless Printing	Yes, up to 210 x 297 mm (A4)
Print cartridges number	1 black bottle, set of 3 colour bottles
Multitasking supported	No
Duplex printing	Manual (driver support provided)
Copy	
Copy speed[2]	**Black (A4, ISO)**: 6.5 cpm; **Colour (A4, ISO)**: 2 cpm
Copier specifications	Auto-enlarge; **Maximum number of copies**: Up to 9 copies; **Reduce/Enlarge**: fit to page
Scan	
Scan speed	**Normal (A4)**: Up to 21 seconds
Scan file format	JPEG, TIFF, PDF, BMP, PNG
Scanner specifications	**Scan technology**: Contact Image Sensor (CIS); **Scan input modes**: Scanning via HP Photosmart Software; **Twain version**: Version 2.1; **Optical scan resolution**: Up to 1200 x 1200 dpi
Scanner Advanced Features	No
Bit depth/ Grey scale levels	24-bit / 256
Fax	
Fax	None
Fax smart software features	No
Processor speed	365 MHz
Connectivity	
Standard	1 Hi-Speed USB 2.0
Wireless	Yes
Mobile printing capability [3]	Yes
Supported network protocols	9100 Direct IP, LPR, Embedded Web Server, SNMP, SLP, WS-Print
Network capabilities	None
Memory	**Standard**: Integrated; **Maximum** : Integrated
Paper handling	
Number of paper trays	**Standard**: 1; **Maximum**: 1
Media 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
Media size	**Custom (metric)**: 76.2 x 127 to 215 x 355 mm **Supported (metric)**: A4; B5; A6; DL envelope
Media handling	**Standard input**: 60-sheet input tray **Standard output**: 25-sheet output tray **ADF**: No
Media weight	A4: 60 to 90 g/m²; HP envelopes: 75 to 90 g/m²; HP cards: Up to 200 g/m²; HP 10 x 15 cm photo paper: Up to 300 g/m²
Input capacity	**Standard**: Up to 60 sheets **Maximum**: Up to 60 sheets **ADF**: No
Output capacity	**Standard**: Up to 25 sheets Envelopes: Up to 5 envelopes Labels: Up to 10 sheets Cards: Up to 20 cards **Maximum**: Up to 25 sheets

Model	**HP Smart Tank Wireless 455**
Product number	Z4B56A
Compatible operating systems	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	**Windows**: 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, OS X v10.11 El Capitan, macOS Sierra v10.12 (previously OS X), 1.5 GB available hard disk space, Internet access
Software included	HP Printer Software, HP Photo Creations
Security management	No
Dimensions and Weight	
Printer dimensions (W x D x H)[4]	**Minimum**: 525 x 310 x 158 mm; **Maximum**: 525 x 553.5 x 256.6 mm
Package dimensions (W x D x H)	591 x 396 x 203 mm
Printer weight	4.67 kg
Package weight	5.88 kg
Operating environment	**Temperature**: 10 to 40ºC; **Humidity**: 25 to 80% RH
Storage	**Temperature**: -40 to 60ºC **Humidity**: 10 to 90% RH (non-condensing)
Acoustics	**Acoustic power emissions**: 6.0 B(A);
Power[5]	**Requirements**: Input voltage 200 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3Hz); **Consumption:** 10 watts maximum, 0.07 watts (Off), 2.1 watts (Standby), 0.88 watt (Sleep), ; **Power supply type**: Internal
Certifications	CISPR 22:2008/EN 55022:2010 Class B; CISPR24:2010/EN 55024:2010; EN 61000-3-2:2006+A1:2009+A2:2009; EN 61000-3-3:2013; ICES-003, Issue 5 Class B; GOST (Russia)
Country of origin	Made in China
What's in the box	HP Smart Tank Wireless 455; HP 30 Black Ink Bottle (135 CC, 6,000 pages); HP 31 Cyan Ink Bottle (70CC, 8,000 pages); HP 31 Magenta Ink Bottle (70CC, 8,000 pages); HP 31 Yellow Ink Bottle (70CC, 8,000 pages); Software CD; Setup poster; Power cord; USB cable.

Footnotes

[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. For more information about fill and yield, see http://hp.com/go/learnaboutsupplies.
[2] Based on median customer ink usage for HP DeskJet GT 5820 WL printer.
[3] For details on local printing requirements see http://hp.com/go/mobileprinting.
[4] When used in accordance with set up instructions.
[5] 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. For more information about fill and yield, see http://hp.com/go/learnaboutsupplies.
[6] Based on HP internal optical density testing comparing with HP DeskJet 5800 series with HP 51 and HP 52 inks.
[7] Plain paper documents and photos stored under glass with OEM inks. Compared to tested in-class compet6ing OEM ink tank systems from Epson, Canon, and Brother. See June 8, 2017 Statement and Wilhelm Imaging Research report http://www.wilhelm-research.com/hp/WIR_Ink_Tank_Printer_Comparison.pdf and http://hp.com/go/printpermanence.
[8] 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 http://hp.com/go/mobileprinting.
[9] 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 http://hp.com/go/mobileprinting. Wi-Fi Direct® is a registered trademark of Wi-Fi Alliance®.

Technical specifications disclaimers

[1] Either after first page or after first set of ISO test pages. For details see: http://hp.com/go/printerclaims
[2] Speed specifications have been updated to reflect current industry testing methods.
[3] 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.
[4] 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
[5] 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.