

Wireless, Print, Scan and Copy



# HP Smart Tank Wireless 450 All-in-One

Get up to two years of ink and easy mobile printing with one simple purchase.<sup>2,6</sup>  
Print up to 8,000 colour and 4,000 black pages<sup>1</sup> from a spill-free ink system<sup>7</sup> – and produce outstanding quality.



## Out-of-the-box convenience

- Long-lasting print performance with up to two years of ink in the box.<sup>2</sup>
- Print up to 8,000 pages with a set of HP colour bottles or up to 4,000 pages with an HP black ink bottle.<sup>1</sup>
- Print high volumes at an extremely low cost-per-page with this high-capacity ink tank system.<sup>9</sup>



## No mess. No waste

- Easily refill your ink tank system with spill-free, resealable bottles.<sup>7</sup>
- 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.<sup>4</sup>
- Count on HP Original inks for photos that last up to 22 times longer.<sup>5</sup>
- 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.<sup>3</sup>
- Order ink directly through the HP Smart app.<sup>3</sup>
- Easily print from a variety of smartphones and tablets.<sup>6</sup>
- Connect your smartphone or tablet directly to your printer—and easily print without accessing a network.<sup>8</sup>

<sup>1</sup> 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](http://hp.com/go/learnaboutsupplies)

<sup>2</sup> Based on median customer ink usage for HP DeskJet GT 5820 WL printer.

<sup>3</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 [support.hp.com/us-en/document/c03561640](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>4</sup> Based on HP internal testing optical density testing comparing with HP DeskJet 5800 series with HP 51 and HP 52 inks.

<sup>5</sup> 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](http://wilhelm-research.com) and [hp.com/go/printpermanence](http://hp.com/go/printpermanence)

<sup>6</sup> For details on local printing requirements see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting)

<sup>7</sup> When used in accordance with set up instructions.

<sup>8</sup> Mobile device needs to be connected to Wi-Fi Direct<sup>®</sup> 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<sup>®</sup> is a registered trademark of Wi-Fi Alliance<sup>®</sup>.

<sup>9</sup> 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/learnaboutsupplies](http://hp.com/go/learnaboutsupplies)

## Technical specifications

|   |  |
|---|--|
| <b>AIO functions</b>                    | Wireless, Print, Scan and Copy   |
| <b>Print</b>                            |  |
| Technology                              | HP Thermal Inkjet  |
| Duplex print options                    | Manual (driver support provided)   |
| Speed <sup>1</sup>                      | <b>Black:</b> Up to 19 ppm (draft, A4); Up to 7.5 ppm (ISO); <b>Colour:</b> Up to 15 ppm (draft, A4); Up to 4.5 ppm (ISO)  |
| First page out (A4, ready)              | <b>Black:</b> As fast as 13 seconds; <b>Colour:</b> As fast as 17 seconds  |
| Resolution                              | <b>Black (best):</b> Up to 1200 x 1200 rendered dpi; <b>Colour (best):</b> 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 <sup>2</sup> | Yes  |
| Borderless printing                     | Yes, up to 210 x 297 mm (A4)   |
| Ink types                               | Dye-based (colour); pigment-based (black)  |
| <b>Scan</b>                             |  |
| Type                                    | Flatbed  |
| Technology                              | Contact Image Sensor (CIS)   |
| Resolution                              | <b>Hardware:</b> Up to 1200 x 1200 dpi; <b>Optical:</b> Up to 1200 x 1200 dpi; <b>Enhanced:</b> Up to 1200 dpi   |
| Max scanning size                       | <b>Flatbed:</b> 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  |
| <b>Copy</b>                             |  |
| Speed <sup>3</sup>                      | <b>Black:</b> Up to 7 cpm (ISO); <b>Colour:</b> Up to 2 cpm (ISO)  |
| Resolution                              | <b>Black (text and Graphics):</b> Up to 600 x 300 dpi; <b>Colour (text and graphics):</b> Up to 600 x 300 dpi  |
| Max copies                              | Up to 9 copies   |
| Display                                 | 7 segment + icon LCD   |
| Duty cycle (monthly, A4) <sup>4</sup>   | Up to 1,000 pages  |
| Recommended monthly page volume         | 400 to 800 pages   |
| <b>Media</b>                            |  |
| Supported sizes                         | A4; B5; A6; DL envelope  |
| Supported weights                       | A4: 60 to 90 g/m <sup>2</sup> ; HP envelopes: 75 to 90 g/m <sup>2</sup> ; HP cards: up to 200 g/m <sup>2</sup> ; HP 10 x 15 cm photo paper: up to 300 g/m <sup>2</sup>   |
| Recommended weights                     | 75 g/m <sup>2</sup>  |
| 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  |
| <b>Memory</b>                           |  |
| Processor speed                         | 365 MHz  |
| <b>Operating system compatibility</b>   |  |
| Minimum system requirements             | <b>PC:</b> 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)<br><b>Mac:</b> 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 |
| <b>Connectivity</b>                     |  |
| 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) <sup>5</sup>     | 525 x 310 x 158 mm   |
| Weight                                  | 4.67 kg  |
| <b>Environmental</b>                    |  |
| Operating environment                   | <b>Operating temperature range:</b> 5 to 40° C; <b>Recommended operating temperature range:</b> 15 to 30° C; <b>Operating humidity range:</b> 15 to 80% RH (non-condensing); <b>Recommended operating humidity range:</b> 20 to 80% RH; <b>Storage temperature range:</b> -40 to 60° C; <b>Energy Savings Feature Technology:</b> HP Auto-Off Technology   |
| Acoustics                               | <b>Acoustic power emissions:</b> 6.0 B(A); <b>Acoustic Power Emissions (active copy):</b> 7.1 B(A) (copying at 25 ppm with ADF running); <b>Acoustic pressure emissions:</b> 52 dB   |
| Power specifications                    | <b>Power supply type:</b> Internal; <b>Power supply required:</b> 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); <b>Power consumption<sup>6</sup>:</b> 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 <a href="http://hp.com/support">hp.com/support</a> ; 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 450; HP 30 Black Ink Bottle (90 ml), HP 31 Cyan Ink Bottle (70 ml), HP 31 Magenta Ink Bottle (70 ml), HP 31 Yellow Ink Bottle (70 ml), Black 4,000 pages, Colour 8,000 pages; Software CD; Setup Poster; Power Cord; USB Cable. [For ink volume and page yield information, visit <a href="http://hp.com/go/learnaboutsupplies">hp.com/go/learnaboutsupplies</a> ]  |

<sup>1</sup> Either after first page or after first set of ISO test pages. For details see: [hp.com/go/printerclaims](http://hp.com/go/printerclaims)

<sup>2</sup> 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](http://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.

<sup>3</sup> Speed specifications have been updated to reflect current industry testing methods.

<sup>4</sup> 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.

<sup>5</sup> Dimensions vary as per configuration

<sup>6</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.

<sup>7</sup> Up to 8,000 colour or 4,000 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](http://hp.com/go/learnaboutsupplies)

<sup>8</sup> Available in selected countries only.

## Ordering information

| Number | Description                           |
|--------|---------------------------------------|
| Z6Z96A | HP Smart Tank Wireless 450 All-in-One |

### Recommended Cartridges<sup>7</sup>

| Number  | Description                                      |
|---------|--|
| 1VU29AA | HP 30 Black Original Ink Bottle (~8,000 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](http://hp.com/go/learnaboutsupplies)

### Recommended Papers<sup>8</sup>

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

Please visit [hp.com/apac/paper](http://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                     |

### HP Inc offices

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For more information, please visit us at [hp.com/apac/homeandoffice](http://hp.com/apac/homeandoffice)

### HP SureSupply<sup>9</sup>

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

To order online, please visit [hp.com/apac/oac](http://hp.com/apac/oac) for more details.<sup>9</sup>



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