

Wireless, Print, Scan and Copy



# HP Ink Tank Wireless 415 All-in-One

Print at high volumes for an extremely low cost-per-page,<sup>1</sup> and get easy mobile printing.<sup>6</sup> With a reliable, spill-free ink system,<sup>7</sup> you'll be able to print up to 8,000 pages colour or 6,000 pages black,<sup>2</sup> and produce exceptional quality.



## More for less

- Print thousands of pages with high-capacity ink tank system.
- 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.<sup>2</sup>
- Print high volumes at an extremely low cost-per-page with this high-capacity ink tank system.<sup>1</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> 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)

<sup>2</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>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). Brazil, China, Indonesia, Malaysia only footnote: Plain paper documents and photos stored under glass with OEM inks. Compared to tested in-class competing OEM ink tank systems. 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® 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®.

## 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 8 ppm (ISO); <b>Colour:</b> Up to 15 ppm (draft, A4); Up to 5 ppm (ISO)
First page out (A4, ready)	<b>Black:</b> As fast as 13 sec; <b>Colour:</b> As fast as 17 sec
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
<b>Display</b>	7 segment + icon LCD
<b>Duty cycle (monthly, A4)</b>	Up to 1,000 pages
<b>Recommended monthly page volume</b>	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	360 MHz
<b>Operating system compatibility</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)
<b>Minimum system requirements</b>	<b>PC:</b> 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; <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	9100 Direct IP, LPR, Embedded Web Server, SNMP, SLP, WS-Print
<b>Dimensions (W x D x H)<sup>4</sup></b>	525 x 310 x 158 mm
<b>Weight</b>	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> 47 dB
<b>Power specifications</b>	<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>5</sup>:</b> 10 watts maximum, 0.07 watts (Off), 2.1 watts (Standby), 0.88 watt (Sleep)
<b>Warranty</b>	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
<b>What's in the box</b>	HP Ink Tank Wireless 415; HP GT51XL Black Ink Bottle (135 ml), HP GT52 Cyan Ink Bottle (70 ml), HP GT52 Magenta Ink Bottle (70 ml), HP GT52 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 <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 [hponconnected.com](http://hponconnected.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> Dimensions vary as per configuration

<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.

<sup>6</sup> 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](http://hp.com/go/learnaboutsupplies)

<sup>7</sup> Available in selected countries only.

## Ordering information

Number	Description
Z4B53A	HP Ink Tank Wireless 415 All-in-One Printer

Recommended Cartridges <sup>6</sup>	
Number	Description
MOH57AA	HP GT51 Black Original Ink Bottle (~4,000 pages)
X4E40AA	HP GT51XL 135-ml Black Original Ink Bottle (~6,000 pages)
MOH54AA	HP GT52 Cyan Original Ink Bottle (~8,000 pages)
MOH55AA	HP GT52 Magenta Original Ink Bottle (~8,000 pages)
MOH56AA	HP GT52 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>7</sup>	
Number	Description
C6B18A	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.

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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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