

HP A3 managed MFPs and Printers

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# The next generation of printing



keep reinventing

# Meet the smartest, most secure way to print.<sup>1</sup>

Business demands more productivity in less time, all the time.

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The workforce, in turn, expects more from their devices: smarter connectivity, greater versatility, proven reliability, and robust security. And printers are no exception; workers accustomed to a world of smart devices and one-touch connectivity won't—and can't—settle for yesterday's printing technology.

Today, excellent print quality is expected, and almost every printer is already fast enough. A productive workforce also needs printers that are more adaptable, more versatile, and more connected: not just individually secure, but serving as an effective line of defence against hackers and network intrusion; not just delivering output, but actively helping make the work possible.

HP A3 managed MFPs and printers are leading the way.



Smarter connectivity



Greater versatility



Proven reliability



Robust security

# World's most secure printing<sup>1</sup>

## Recognising the risks

If you read the news, you know it's bad: hackers have their eyes on businesses. The vulnerabilities used to remain only at the server level; today, though, the most destructive exploits are attacking networks through endpoint devices. And it's not just PCs, tablets, and smartphones; networked printers are some of the weakest points of a modern network—and hackers know it. They can intercept printing and imaging jobs over the network to/from the device;


exploit device settings and functions from unsecured control panels; and access the device via unsecured USB or network ports.

The good news? HP knows it too, so we developed a new generation of A3 Enterprise MFPs and printers equipped with embedded security features covering device, data, and document risks. These solutions change the equation—transforming networked printers from vulnerabilities to strongpoints. Print on.

## The anticipation is building.

ITDMs anticipate and have experienced attacks on their printers, but only

 **18%** of companies monitor printers for threats.<sup>2</sup>

 **60%** of companies surveyed had a data breach involving printers.<sup>3</sup>

 **Nearly 2 in 3** IT pros expect security threats to increase over the next 3 years.<sup>2</sup>



## We protect the device.

Security monitoring and management solutions help reduce risk, improve compliance, and protect your network from end to end.

- **HP Sure Start** validates the integrity of the BIOS code<sup>4</sup>
- **Whitelisting** ensures only authentic code is loaded into memory
- **Run-time intrusion detection** uncovers anomalies during complex operations
- **HP JetAdvantage Security Manager** automatically assesses and remediates security settings<sup>5</sup>



## We protect the data.

Built-in data encryption at rest and in transit, firewall protection, and native user authentication protect vulnerable endpoints from harmful hackers and malware.

- **Authentication** helps prevent unauthorised access
- **Encryption** through the driver makes intercepted data unreadable
- **Consistent monitoring** checks for attacks and initiates self-healing
- **HP Access Control** helps manage mobile printing by leveraging existing email infrastructure



## We protect the document.

Smart hardware and software solutions such as PIN or pull printing, and counterfeit deterrent solutions prevent copying or modification to your document.

- **Workplace Privacy** maintains print security defences
- **Compliance** secures document workflows
- **Anti-Counterfeit** prevents tampering or forgery
- **HP JetAdvantage Pull-Printing Solutions** eliminate unclaimed prints, thereby reducing cost and waste







# Smart devices for smarter printing

The office of the future has reshaped the way we work and collaborate. Since companies are expecting more from the workforce—and the workforce is expecting more from connected devices and equipment—they're now collaborating with connected devices in order to get the job done. HP A3 managed MFPs and printers are highly connected smart devices that exceed expectations on every front, so you can exceed yours.

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## Maximum productivity

Capture and produce content quickly, easily, and accurately with HP JetAdvantage Workflow Solutions. These solutions empower you with customised features for content creation, management, communication, and digitisation:

- **Accelerate workflow**, improve accuracy, and easily connect people throughout your organisation. Complete high-volume scan jobs super-fast—up to 240 ipm—and avoid extra steps with a Flow MFP designed for maximum productivity.<sup>6</sup>
- **HP Capture and Route** enables your team to control and track scanned content, and distribute documents with the touch of a button to back-office applications, fax lines, online destinations such as Microsoft SharePoint, as well as cloud-based repositories.
- **HP Embedded Capture** simplifies document digitisation with pre-configured workflow templates.



## Modern user experience

Your business won't stop changing; you need printers that can adapt to what's next. HP A3 managed MFPs and printers with **HP FutureSmart Firmware** and **HP Open Extensibility Platform (OXP)** help you meet new challenges and set new goals:

- Experience a simple, modern, and 'tablet-like' default screen and improved image preview.
- Ensure investment protection and update your entire fleet at once—both old and new devices.
- Create a unified environment for your devices so your software solutions, printers, and management tools can communicate and interact seamlessly.



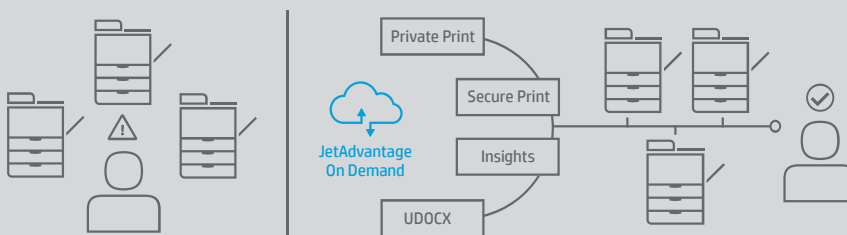
## Extensive mobile printing

Print anytime, virtually anywhere.<sup>7</sup> With HP's wireless direct printing or NFC touch-to-print, employees can print from their mobile devices without connecting to your network, using a secure peer-to-peer connection.

- **Google Cloud Print™ 2.0** lets you eliminate on-site servers by connecting to and printing from your Google Cloud account.
- **HP JetAdvantage Connect** offers intuitive, reliable mobile printing designed for business. Users can save time and money by seamlessly leveraging existing IT network tools and policies to manage mobile printing.

## HP JetAdvantage On Demand

HP JetAdvantage On Demand is the industry's first software as a service (SaaS) portal, eliminating the need for onsite servers and software versions to manage. This innovative service allows for easy and cost-effective management of both apps and user access to those apps.<sup>8,9</sup>



**88%** of companies are moving to the cloud to improve responsiveness to business needs.<sup>10</sup>

# The influence on business

Between our broad portfolio, affordable colour printing options, and minimised downtime, HP A3 managed MFPs and printers improve your day-to-day business functions, so you can focus on what you do best.

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## Extensive portfolio

Our portfolio is versatile, to say the least. According to a recent InfoTrends report, we offer up to 50 percent more office printing device categories than our leading competitors.<sup>11</sup> Grow your business with our next-generation A3 portfolio that offers more device choices, innovative technologies, industry-leading security features, and an overall improved user experience.

## Affordable colour

Colour printing is within every business's budget with HP PageWide Technology. Print more pages and replace cartridges less often than standard cartridges using optional Original HP high-yield cartridges.<sup>12</sup>

## Maximum uptime

Forget about the printer, your work deserves the attention. Enjoy HP MFPs' intelligent design with fewer replacement parts, fewer moving parts,<sup>13</sup> and lower supply consumption. Field replaceable components make devices simpler to service. Remote serviceability means less downtime, fewer headaches.



# Meet the new fleet

The HP A3 managed MFP and printer lineup



16 new platforms.  
Over 50 unique models.

From focused teams to global functions, the next-generation portfolio of HP A3 managed PageWide and LaserJet MFPs and printers deliver the innovative technology, dependable quality, and in-depth security your business demands.

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## HP A3 managed PageWide MFPs and printers

The PageWide difference

**Affordable colour**  
delivers game-changing low colour cost per page

**Unmatched speeds**  
increase productivity up to 50% faster than the competition<sup>14</sup>

**Maximum uptime**  
designed with the fewest parts in its class for the least maintenance<sup>13</sup>

**Environmental engineering**  
reduces energy consumption and affiliated costs<sup>15</sup>



### Print speeds

from 60 ppm to 80 ppm<sup>14</sup>

**Maximum input capacity of**  
up to 4650 pages

**Recommended monthly page volume (RMPV)**  
of up to 50,000 pages

## HP A3 managed LaserJet colour and monochrome MFPs and printers

Leading laser performance

**World's most secure printers<sup>1</sup>**  
with hardware and software solutions that protect the device, data, and document

**Affordable operating costs**  
with long-life consumables and simple serviceability

**Optional flow models**  
help you capture the right content quickly, easily, and accurately

**Minimal interruptions**  
so you can count on reliable results day in and day out



### Print speeds

from 22 ppm to 60 ppm<sup>16</sup>

**Maximum input capacity of**  
up to 6140 pages

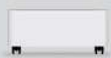
**Recommended monthly page volume (RMPV)**  
up to 100,000 pages

## Comprehensive paper-handling accessories

HP A3 managed MFPs and printers have a modular design with optional input and output accessories, allowing users to customise their devices to their business needs.<sup>17</sup>



1 x 550 A3 feeder



2000-sheet high-capacity input stand



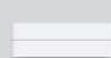
HP LaserJet cabinet



3000-sheet side high-capacity input stand



2 x 2000 A4 stand



2 x 520 feeder



Booklet finisher with optional hole punch



Stapler/stacker with optional hole punch



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1. "World's most secure printing" claim applies to HP Enterprise-class devices with FutureSmart firmware 3.7 or above and is based on HP review of 2016 published embedded security features of competitive in-class printers. Only HP offers a combination of security features for integrity checking down to the BIOS with self-healing capabilities. For a list of compatible products, visit: <http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=4AA6-1177EEW>. For more information, visit: [hp.com/go/printersecurityclaims](http://hp.com/go/printersecurityclaims). 2. Spiceworks survey of 309 IT decision-makers in North America, EMEA, and APAC, on behalf of HP, November 2016. 3. Ponemon Institute, "Insecurity of Network-Connected Printers," Oct. 2015. 4. Included on select Enterprise devices; not included on PageWide Pro devices. 5. Requires separate purchase for details, see [hp.com/go/securitymanager](http://hp.com/go/securitymanager). 6. Scan speed measured from ADF at default 300 dpi (black and white, greyscale, and colour). Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. 7. Local printing requires mobile device and printer to be on the same network or have a direct wireless connection. Wireless performance is dependent on physical environment and distance from access point. Wireless operations are compatible with 2.4GHz operations only. Remote printing requires an Internet connection to an HP web-connected printer. App or software and HP ePrint account registration may also be required. Availability varies by country, language, and agreements, and may require a firmware upgrade. For details, see [hpconnected.com](http://hpconnected.com). 8. Requires Internet access. Supported browsers include Microsoft Internet Explorer 9-11, Google Chrome™ 9 and newer, Mozilla Firefox 4 and newer, and Safari® 5 and newer. Compatible with select HP LaserJet, PageWide, OfficeJet Pro, and Digital Sender Flow devices that can connect to the Internet. Some apps support multi-vendor environments. May require a firmware upgrade. Learn more at [hp.com/go/jetadvantageondemand](http://hp.com/go/jetadvantageondemand). 9. Based on HP assessment of print manufacturers' SaaS offerings as of September 1, 2016, no other print manufacturer offers a single cloud portal for user and app management. 10. Source: Verizon customer survey: survey of Verizon's enterprise-level cloud customers, October 2015. 11. Based on InfoTrends August 2016 report: "HP Market Leadership by Product Segments." 12. High-yield cartridges are not included in printer purchase; purchase separately. Comparison is based on ISO 24711 cartridge yields for HP 990 series High Yield Original PageWide Cartridges compared with HP 990 series Original PageWide Cartridges. Learn more at [hp.com/go/learnaboutsplies](http://hp.com/go/learnaboutsplies). 13. Fewer service parts claim based on BLI analysis of leading in-class A3 MFPs as of August 2016; calculations use publicly available and/or published manufacturer rated yields for long-life consumables and assume 600,000 pages printed (using a 60% black/40% colour ratio); market share as reported by IDC as of Q3 2016. Learn more at [hp.com/go/pagewideclaims](http://hp.com/go/pagewideclaims). 14. Comparison of HP PageWide A3 devices with the majority of in-class colour ink/laser MFPs (\$3,000–\$7,499), and colour ink/laser single function printers (\$1,500–\$2,999 and €1,410–€2,819) as of April 2017; market share as reported by IDC as of Q4 2016, excluding other HP PageWide products. HP PageWide speeds based on General Office mode and exclude first page. Learn more at [hp.com/go/printerspeeds](http://hp.com/go/printerspeeds). 15. Energy claim based on all TEC data reported on [energystar.gov](http://energystar.gov) as of November 2016. Data normalised to determine energy efficiency of in-class A3 colour laser printers with published speeds of 20 to 80 ppm, excluding other HP PageWide products. Subject to device settings. Actual results may vary. 16. Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see [hp.com/go/printerclaims](http://hp.com/go/printerclaims). Exact speed varies depending on the system configuration, software application, driver, and document complexity. 17. Not all accessories are available for all platforms or models.

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