



HP Managed MFPs and Printers

The smart, secure way  
to grow your business









# 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. These printers are not just individually secure, they serve as an effective line of defense against hackers and network intrusion. More than simply delivering output, they actively help make the work possible.

HP Managed MFPs and printers are leading the way.



Smarter connectivity



Greater versatility



Proven reliability



Robust security



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

## Recognizing the risks

If you read the news, you know it's bad: hackers have their eyes on businesses. The vulnerabilities used to be only at the server level; today, 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 using unsecured USB or network ports.

The good news? HP knows it too, so we developed a new generation of Managed 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.


IT decision-makers anticipate and have experienced attacks on their printers, but only

 **22%** of companies

monitor printer syslogs and 13% connect printers to SIEM tools.<sup>2</sup>

 **59%** of organizations

reported a print-related data loss incident in the past year.<sup>3</sup>

 **11%** of security incidents

reported by organizations over the past year were print-related.<sup>3</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 Connection Inspector** inspects outgoing network connections to stop suspicious requests like malware
- **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 unauthorized access
- **Encryption** through the driver makes intercepted data unreadable
- **Constant monitoring** checks for attacks and initiates self-healing
- **HP Access Control** helps manage mobile printing by leveraging existing email infrastructure
- **Proximity card readers** can be attached externally or placed in the Hardware Integration Pocket<sup>6</sup> of supported devices



## 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 defenses
- **Compliance** secures document workflows
- **Anti-Counterfeit** prevents tampering or forgery
- **HP JetAdvantage Secure Print** eliminates unclaimed prints, thereby reducing cost and waste<sup>7</sup> (HP Partner solutions include Nuance Safecom, Celiveo Enterprise, Pharos Uniprint, YSoft SafeQ, and Genius Bytes)







# Smart devices for smarter printing

The office of the future will reshape 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 Managed MFPs and printers are highly connected smart devices that exceed expectations on every front, so you can exceed yours.

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## Workflow

HP JetAdvantage and partner solutions help you align paper-based processes to your overall digital strategy.

**HP Capture and Route** controls and tracks scanned content once it has been digitized and distributes it with the touch of a button to back-office applications, fax lines, and online destinations such as Microsoft® SharePoint®, as well as cloud-based repositories.

**HP Digital Sending Software** allows users to route documents to a variety of destinations like email recipients, network folders, fax, FTP, a USB device, or Microsoft SharePoint.

**HP JetAdvantage Partner solutions** range from simple capture programs to sophisticated workflow automation. Current partners providing workflow solutions are Ephesoft Transact, Fenestrae Udocx, Hyland OnBase, and Kofax AutoStore.



## Management

Easily manage and optimize multi-vendor print environments and improve print application management.

**HP Web Jetadmin** allows you to remotely install, configure, troubleshoot, safeguard, and manage a wide variety of networked and PC-connected devices.<sup>8</sup>

**HP JetAdvantage Insights** helps you gain powerful insights and understand the company's printing environment.<sup>9</sup> Accurately monitor every device in the fleet—including non-HP and PC-connected printers. Influence printing behavior to make the best use of devices.





## Mobility

Simplify your mobile workforce printing experience while providing IT the controls they desire.

- **HP Roam for Business** gives mobile workers a simpler way to print. Users simply print to any HP Roam-enabled device—no need for a specific device driver, no need to be on the same network.<sup>10</sup> Helps avoid IT complexity and costly servers that take up office space or require ongoing attention or maintenance.
- **PrinterOn Enterprise** makes managed enterprise mobile printing easy, reliable, and secure, with the choice of private cloud or on-premise printing. It supports virtually any submission from any device to any printer.

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## Maximize uptime

HP Smart Device Services (SDS) help keep business moving by avoiding lapses in productivity. Reduce time spent calling and waiting, with technology that allows your service provider to quickly pinpoint issues before they become a problem. Remote diagnostic tools help provide faster, more efficient fixes. Simple issues can be resolved remotely, and service calls go faster when techs know exactly what they need for the right fix.



**Machine telemetry**  
Constantly monitors performance and alerts when devices need attention



**Service optimization**  
Just-in-time parts and service visit optimization



**Deep learning**  
Optimizes device operation and extends component life



**Predictive analytics**  
Anticipates issues before they happen



# The influence on business

Between our broad portfolio, affordable color printing options, and minimized downtime, HP 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. Grow your business with our extensive portfolio of MFPs and printers that offers more device choices from A3 to A4, innovative technologies, industry-leading security features, and an overall improved user experience.

## Affordable color

Color 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>11</sup>

## Modern user experience

Your business won't stop changing; you need printers that can adapt to what's next. HP 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, 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.









# Meet the new fleet

The HP Managed MFP and printer lineup



## The smart, secure way to grow your business

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

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# HP PageWide Managed MFPs and printers

The PageWide difference

### Affordable color

delivers game-changing low color cost per page

### Unmatched speeds

increase productivity up to 50% faster than the competition<sup>12</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>14</sup>



### Print speeds

from 60 ppm to 80 ppm<sup>15</sup>

### Maximum input capacity of

up to 5,200 pages<sup>16</sup>

### Recommended monthly page volume

of up to 50,000 pages<sup>17</sup>

# HP LaserJet Managed color 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 75 ppm<sup>15</sup>

### Maximum input capacity of

up to 6,140 pages<sup>16</sup>

### Recommended monthly page volume

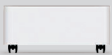
of up to 100,000 pages<sup>17</sup>

## Comprehensive paper-handling accessories

HP Managed MFPs and printers have a modular design with optional input and output accessories, allowing users to customize their devices to their business needs.<sup>18</sup>



1 x 550 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





1. Based on HP review of 2018 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit: [hp.com/go/PrintersThatProtect](http://hp.com/go/PrintersThatProtect). For more information, visit: [hp.com/go/printersecurityclaims](http://hp.com/go/printersecurityclaims). 2. Spiceworks survey of 501 IT decision-makers in North America, EMEA, and APAC, on behalf of HP, June 2018. 3. Quocirca Global Print Security Study, Louella Fernandes, January 2019. 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. HP Proximity Card Reader (CZ208A) is available for separate purchase for select HP devices with Hardware Integration Pocket (HIP) and touchscreen display. 7. HP JetAdvantage Secure Print works with any network-connected printer or MFP. On-device authentication is available for many HP LaserJet, PageWide, and OfficeJet Pro devices and selected non-HP devices. Some devices may require a firmware upgrade. Internet connection required for cloud storage and retrieval of print jobs. Print-job release from a mobile device requires a network connection and QR code. For more information and a list of supported printers and MFPs, see [hp.com/go/JetAdvantageSecurePrint](http://hp.com/go/JetAdvantageSecurePrint). 8. HP Web Jetadmin is available for download at no additional charge at [hp.com/go/wjja](http://hp.com/go/wjja). 9. HP JetAdvantage Insights is a web-based application that requires Internet access. Supported browsers include recent versions of Microsoft® Internet Explorer®, Google Chrome™, Mozilla® Firefox®, and Safari®. 10. Subscription or accessory may be required. For more information, visit [hp.com/go/roam](http://hp.com/go/roam). To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Customer can purchase the HP Jetdirect 3100w BLE/NFC/Wireless accessory or the RadBeacon USB. 11. 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/learnaboutsupplies](http://hp.com/go/learnaboutsupplies). 12. Comparison of HP PageWide A3 devices with the majority of in-class color ink/laser MFPs (\$3,000-\$10,299 and €2,820-€10,199), and color ink/laser single function printers (\$1,500-\$4,299 and €1,410-€4,099) as of April 2018, excluding other HP PageWide products; competitive set based on market share data as reported by IDC as of Q4 2017, MSRP data provided by gap intelligence and/or Buyers Lab. HP PageWide speeds based on General Office mode and exclude first page. Learn more at [hp.com/go/printerspeeds](http://hp.com/go/printerspeeds). 13. Fewer service parts claim based on HP analysis of leading in-class A3 color laser printers and MFPs as of February 2018; 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% color ratio). Learn more at [hp.com/go/pagewideclaims](http://hp.com/go/pagewideclaims). 14. Energy claim based on TEC data reported on [energystar.gov](http://energystar.gov) as of February 2018. Data normalized to determine energy efficiency of in-class A3 color laser printers and MFPs with published speeds of 20 to 80 ppm, excluding other HP PageWide products. Subject to device settings. Actual results may vary. 15. 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. 16. Maximum input capacity may require purchase of additional optional input accessory. 17. 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 intervals and device life over an extended warranty period. 18. Not all accessories are available for all platforms or models.

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