HP PageWide Printers and Managed Print Services

HP PageWide Technology

HP PageWide Technology delivers professional-quality prints for less,[1] fastest speeds,[2] and best energy efficiency. Plus, with this innovative technology, you can save on your color cost per page, versus laser printers,[1] while printing faster than other color MFPs in their class.[2] So you get high performance without compromise.

Meet the HP PageWide MFP and printer fleet

Pro

Enterprise

HP PageWide Pro 700 series MFPs and printers

- Ideal for teams of 5–15 people printing 15,000–25,000 pages month[3]
- Best-in-class print speeds[2]—up to 65 ppm, General Office mode
- High-yield cartridges: 20,000/16,000 (black/color)[4]
- Supports paper sizes up to 11"x17"/A3

HP PageWide Pro 500 series MFPs and printers

- Ideal for teams of 5–15 people printing 1,000–6,000 pages per month[3]
- Best-in-class print speeds[2]—up to 70 ppm, General Office mode
- Extra-high-yield cartridge: 17,000/13,000 pages (black/color)[5]

HP PageWide Pro 400 series MFPs and printers

- Ideal for teams of 3–10 people printing 750–4,500 pages per month[3]
- Best-in-class print speeds[2]—up to 55 ppm, General Office mode
- High-yield cartridge: 10,000/7,000 pages (black/color)[4]

HP PageWide Pro 700 series MFPs and printers

- Ideal for teams of 5–15 people printing 2,000–7,500 pages per month[3]
- Best-in-class print speeds[2]—up to 75 ppm, General Office mode
- Extra-high-yield cartridges: 20,000/16,000 pages (black/color)[5] and high-yield cartridges: 11,000/10,000 pages (black/color)[4]
- Supports paper sizes up to 11.7"x17"/A3

HP PageWide Enterprise 500 series MFPs and printers

- Ideal for teams of 5–15 people printing 2,000–7,500 pages per month[3]
- Best-in-class print speeds[2]—up to 75 ppm, General Office mode
- Extra-high-yield cartridges: 20,000/16,000 pages (black/color)[5] and high-yield cartridges: 11,000/10,000 pages (black/color)[4]
- Flow MFP option (586z): pull-out keyboard, HP EveryPage, embedded OCR, send to Microsoft® SharePoint®,[6] and more
- HP High-Performance Secure Hard Disk[7]

Managed Print Services

Whether it's balancing security and mobility, reducing costs, or moving to and maintaining a cloud system, today's businesses are struggling with a variety of challenges when it comes to managing their print environments.

HP Managed Print Services (MPS) addresses these challenges head-on with innovative devices, services, and business intelligence that will help you not only print more efficiently, but deliver measurable business results through improved security, predictable costs, and better uptime. With the ability to customize and scale to fit your unique needs, you can confidently evolve your workplace through streamlined processes and enhanced productivity.

Help control costs and deliver predictable results

Many organizations launch initiatives to improve the efficiency of their print environment, only to find that maintaining those improvements creates a whole new challenge. The first step to driving down costs to a sustainable, efficient level for the long-term is discovering where your adjustments can make the biggest impact. You partnership with HP Managed Print Services lets you do just that, through automated features and HP Business Intelligence.

Do more than print—get results and gain valuable insights

Predictability is critical to businesses that are under pressure to help reduce costs and use resources more efficiently. HP MPS provides clients with business intelligence data that's based on device information and predictive analytics. HP MPS provides you with specific insights solutions, an integrated portal for your print and PC fleet, and business reviews with HP experts so you can have the data you need to:
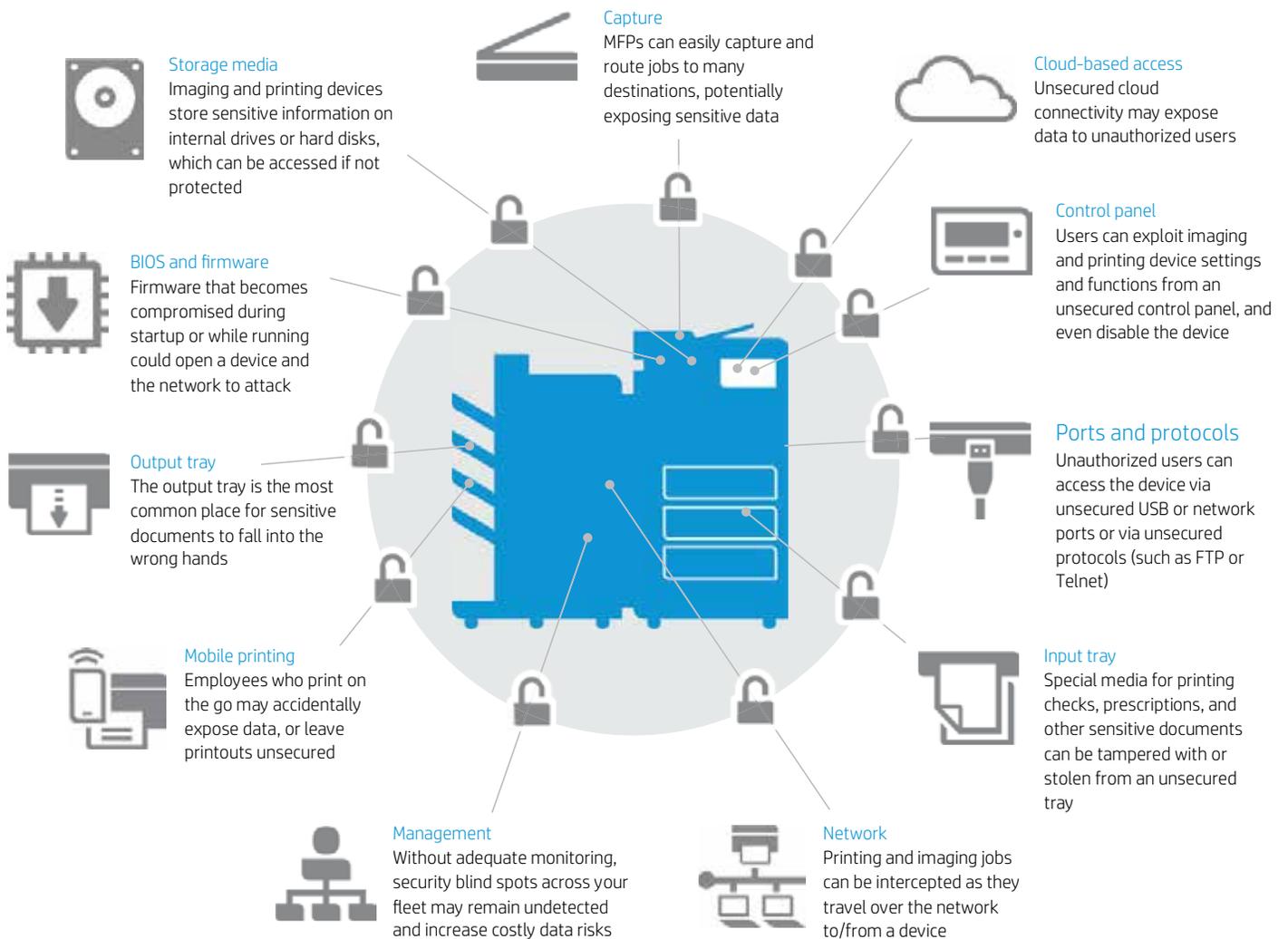
- **Make smarter decisions** based on the trends, usage, and costs of your print environment
- **Increase uptime** by preventing problems before they happen
- **Easily manage and continuously improve** your PC and print fleets
- **Optimize your fleet** to meet your unique business needs
- **Manage your fleet** more efficiently and take advantage of easier data access and analytics with insights solutions like HP Device Control Center, HP Instant Fleet Insights, and HP JetAdvantage Insights

Partner with a leader in print security

HP is taking the lead to provide technologies and services that reduce the burden on IT while improving security across your print environment. HP Secure MPS can also help you close the security gap within your environment. Creating a complete imaging and printing security strategy requires coordinated protection of devices, data, and documents, plus comprehensive security monitoring and reporting solutions. With HP Secure MPS, you're more secure on every level, so the trouble that's out there stays out.

Imaging and printing vulnerability points

Capture
MFPs can easily capture and route jobs to many destinations, potentially exposing sensitive data

Storage media
Imaging and printing devices store sensitive information on internal drives or hard disks, which can be accessed if not protected

Cloud-based access
Unsecured cloud connectivity may expose data to unauthorized users

Control panel
Users can exploit imaging and printing device settings and functions from an unsecured control panel, and even disable the device

BIOS and firmware
Firmware that becomes compromised during startup or while running could open a device and the network to attack

Ports and protocols
Unauthorized users can access the device via unsecured USB or network ports or via unsecured protocols (such as FTP or Telnet)

Output tray
The output tray is the most common place for sensitive documents to fall into the wrong hands

Mobile printing
Employees who print on the go may accidentally expose data, or leave printouts unsecured

Input tray
Special media for printing checks, prescriptions, and other sensitive documents can be tampered with or stolen from an unsecured tray

Management
Without adequate monitoring, security blind spots across your fleet may remain undetected and increase costly data risks

Network
Printing and imaging jobs can be intercepted as they travel over the network to/from a device

Protect, detect, and recover

The latest generation of HP Enterprise printing devices are unique in the marketplace, because they offer four key technologies together designed to thwart attackers' efforts and self-heal. These features automatically trigger a reboot in the event of an attack or anomaly.

After a reboot occurs, HP JetAdvantage Security Manager automatically assesses and, if necessary, remediates device security settings to comply with pre-established company policies.[8] There's no need for IT to intervene. Administrators can be notified via Security Information and Event Management (SIEM) tools such as ArcSight.

HP Sure Start

The BIOS is a set of boot instructions used to load fundamental hardware components and initiate the HP FutureSmart firmware of an enterprise-class HP device. HP Sure Start technology works behind the scenes when devices power on—helping to safeguard your printing and imaging device from attack. HP Sure Start validates the integrity of the BIOS at every boot cycle. If a compromised version is discovered, the device restarts using a safe, "golden copy" of the BIOS.

Whitelisting

Enterprise-class HP devices feature FutureSmart firmware. Like a PC's operating system, firmware coordinates hardware functions, runs the control panel, determines what features are available when printing, scanning, or emailing, and provides network security. Compromised firmware could open your device and network to attack. Whitelisting helps ensure only authentic, known-good HP code that has not been tampered with is loaded into memory. If an anomaly is detected, the device reboots to a secure, offline state. It then sends a notice to IT to reload the firmware.

Run-time intrusion detection

HP's run-time intrusion detection helps protect devices while they are operational and connected to the network—right when most attacks occur. This feature checks for anomalies during complex firmware and memory operations. In the event of an intrusion, the device automatically reboots.

HP Connection Inspector

Developed at HP Labs specifically for enterprise printers, HP Connection Inspector[9] helps networked HP printers stay one step ahead of malware attacks. Where many malware detectors need to refer to libraries of known hostile programs or network addresses known to be associated with an attack, HP Connection Inspector focuses on detecting anomalous behaviors and then acts to secure the networked printer even before the malware is confirmed to be present.

By keeping a continuous watch for moments when malware is attempting to make contact with its command and control server, HP Connection Inspector learns what "normal" network traffic looks like. When it detects suspicious activity, the software can immediately go into a protected mode, stopping any further unfamiliar requests and sending a warning to IT administrators. When HP Connection Inspector detects a specific, customer-determined level of malware-like behavior, the technology can also trigger a printer reboot. This initiates a self-healing procedure without IT needing to be involved.

Reduce waste and energy use with MPS

Through HP Managed Print Services (MPS), we are taking steps towards the "circular economy" with a product-as-a-service business model. MPS provides a customizable set of solutions including imaging and printing devices, network print management software, supplies (including paper), support, professional services, and document workflow management. MPS also offers recycling for printing supplies and end-of-life management for hardware. It helps businesses optimize their imaging and printing infrastructure, with typical savings of 10–30% in printing costs, millions of pages in reduced paper waste, and typical reductions in energy usage of 20–40%.[10]

Moving sustainability from awareness to action is where many organizations, like yours, are headed. Efforts such as recycling and reducing paper consumption offer a step in the right direction, but true sustainability means reevaluating business practices and driving real change.

Customer success story:

California Department of Corrections and Rehabilitation

The California Department of Corrections and Rehabilitation (CDCR) operates one of the world's largest correctional systems, managing more than 130,000 inmates—most housed in 34 state prisons. CDCR also includes a parole division, along with rehabilitative, legal and health care services, and business operations from accounting to human resources. A California law adopted in 2011 requires state IT operations to reduce power consumption by 20% to 30%. CDCR also established goals to reduce costs. HP Managed Print Services (MPS) helps CDCR achieve these goals.

Solution
HP MPS conducted a comprehensive site assessment, then integrated management tools, software options, and consolidated the range of devices found at the agency to more efficient print devices and fleet design.

Business Matters
- Reduce print costs by 52%
- Reduce energy costs by some 40%
- Strengthen enterprise security
- Increase employee productivity
- Help eliminate waste

IT Matters
- Reduce number of devices by 73%
- Transition from single-function to multifunction devices
- Gather network data on printer usage, supplies needs
- Deploy digital productivity features, PIN security
- Automate supplies ordering for just-in-time delivery

Resources and contacts:

For product information or quotes:

Van[💬]d Computers, Inc.
13100 W. Lisbon Road, Suite 100 | Brookfield, WI 53005-2512

Contract Numb[💬]05ENT-M18-PRINTERDSK-07

Paragon Development Systems
361 Blettner Blvd., Madison, WI 53714

Contract [💬]ber: 505ENT-M18-PRINTERDSK-05

For contract questions or escalations contact:

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Comprehensive service combined with in-depth expertise

Partnering with HP to manage your print environment helps you do more than just print. Our innovative solutions, scalable portfolio of hardware, software, and services, and informative data analytics help your business deliver measurable results. Combined with our expertise and comprehensive service offering, it's clear HP is the best partner for managed print services.

For Inquires on your order such as changes, status, estimate delivery times or expedites, invoicing, or billing questions
To reach HP Order Management Customer Service Representative (CSR), call one of the toll free numbers below and following the prompts (Option 2).

1.800.727.2472, Option 2, Option 2, Pin 1093
1.888.202.4682, Option 2, Pin 1093
1.800.888.3224, Option 2, Pin 1093

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1. Lowest cost per color page claim applies to devices that are not sold under contract: Comparison of HP PageWide A3 devices with the majority of in-class color ink/laser MFPs ($3,000-$7,499), and color ink/laser single function printers ($1,500-$2,999) as of January/February 2017; market share as reported by IDC as of Q4 2016. Cost per page (CPP) reported by gap intelligence Pricing & Promotions Report January/February 2017, comparisons for devices/supplies not sold under contract are based on published specifications of the manufacturers' highest-capacity cartridges, inclusive of long life consumables and page yield. Average yield based on ISO/IEC 24711 and continuous printing in default mode. Actual yield varies based on content of printed pages and other factors. For more information, see hp.com/go/learnaboutsupplies and hp.com/go/PageWideClaims.
2. Comparison of HP PageWide A3 devices with the majority of in-class color ink/laser MFPs ($3,000-$7,499 and €2,820-€7,049), and color 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.
3. 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.
4. Based on ISO 24711 cartridge yields for HP 981 series High Yield Original PageWide Cartridges compared with HP 981 series Original PageWide Cartridges. Learn more at hp.com/go/learnaboutsupplies.
5. High-yield cartridges are not included in printer purchase; purchase separately. Comparison is based on ISO 24711 cartridge yields for HP 982X series High-Yield Original PageWide Cartridges compared with HP 982A series Original PageWide Cartridges. Learn more at hp.com/go/learnaboutsupplies.
6. Scanning to SharePoint® is supported on the HP PageWide Enterprise Color Flow MFP 586z model only and requires an Internet connection to the MFP. Services may require registration. App availability varies by country, language, and agreements. For details, see hpconnected.com.
7. HP's most advanced embedded security features are available on HP Enterprise-class devices with FutureSmart firmware 4.5 or above and is based on HP review of 2016-2017 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: hp.com/go/PrintersThatProtect. For more information, visit: hp.com/go/printersecurityclaims.
8. HP JetAdvantage Security Manager must be purchased separately. To learn more, please visit hp.com/go/securitymanager.
9. HP's most advanced embedded security features are available on HP Enterprise-class devices with FutureSmart firmware 4.5 or above and is based on HP review of 2016–2017 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: hp.com/go/PrintersThatProtect. For more information, visit: hp.com/go/printersecurityclaims.
10. Estimated energy and paper savings based on analysis of select HP Managed Print Services customers' imaging and printing operations using data gathered on devices and paper consumption and comparing with post-MPS actuals or projections. Results depend on unique business environments, the way HP products and services are used, and other factors. Overall printing costs are unique to each company and should not be relied on for savings you may achieve.