

# Protect your healthcare organization with comprehensive security from HP



Security is important for all companies, but healthcare organizations have additional concerns. You must meet the challenges of protecting electronic medical records (EMR) while, at the same time, providing authorized personnel with access to the information they need. To keep patients safe, information must be accurate and delivered quickly. In a public environment—with patients, clinicians, staff, visitors, and suppliers coming and going—the printers that healthcare professionals use must be protected on the network.

Printers from HP offer security features to help keep your data safe and protect your networks from harm in three main areas: **device security, data security, and document security.**

## Device security

HP can help defend your network with the world's most secure printing<sup>1</sup>—including devices that can automatically detect and stop an attack.

**HP Sure Start** and **run-time intrusion detection** are included on HP Enterprise printers to protect at startup and during operation. If malware is detected, the printer automatically shuts down and reboots the device. Every time a printer is turned on or restarts with an error, HP Sure Start automatically validates the integrity of the BIOS code and self-heals if necessary.

HP Enterprise printers also include **whitelisting** to help ensure that only authentic, “known good” HP firmware—digitally signed by HP—is loaded into memory.

What's more, HP can help you stop malware from “calling home” to malicious servers, stealing data, and compromising your network. **HP Connection Inspector** evaluates outgoing network connections to determine what's normal, stop suspicious requests, and automatically trigger a self-healing reboot.



And consider: when a reboot occurs—or any time a new device is added to the network—**HP JetAdvantage Security Manager** automatically assesses and, if necessary, remediates device security settings to comply with your pre-established company policies.<sup>2</sup>

## Data security

Keeping patient data safe is one of the most important duties of healthcare organizations. To protect data, you must make sure that only authorized users can access devices and the networks they are connected to. Fleet-wide authentication solutions can require users to enter a password or PIN, or scan their badge or fingerprint. HP solutions include **HP Universal Print Driver**<sup>3</sup> and **HP Access Control** for PC network printing; and **HP JetAdvantage Connect** and **HP Access Control** for mobile users.

Data in transit should also be encrypted. Data traveling between PCs and the network is often encrypted, but data flowing to and especially from printers is often overlooked. Administrators should use Wi-Fi and network encryption protocols along with solutions like HP Universal Print Driver, HP Access Control, or HP JetAdvantage Connect. Apply signed certificates to network printers and MFPs. Save time by using HP JetAdvantage Security Manager to automatically install and renew certificates.



## Document security

Unclaimed print jobs are one of the most common ways sensitive patient data can be exposed. Any printed document is at risk of being stolen by an unauthorized person if the intended recipient isn't there when it comes out of the printer. Additionally, documents are often sent to the printer and forgotten—left unattended for anyone to claim.

Healthcare organizations should deploy a “pull print” and user authentication solution so that documents are not printed until the user authenticates at the device using hospital identification security protocols. HP offers several authentication and pull print solutions for a variety of situations and IT environments:



### HP Access Control Secure Pull Print

is a server-based pull print software solution that can be set to require all users to authenticate before retrieving their job.



### HP JetAdvantage Secure Print

provides an option for print jobs to be sent and stored in a secure cloud queue until the user authenticates and prints the job.



### HP Universal Print Driver

is a free print driver solution that includes a secure encrypted printing feature for sensitive documents. It allows users to send a print job to be held until they release the job via a PIN at the device.



### The HP Proximity Card Reader

lets users quickly authenticate and print securely at a printer or MFP using their existing ID badge.

Now is the time to take proactive steps to reduce risk and help secure patient data. **HP Print Security Services** and specialists can help with print security assessments, planning, deployment, and ongoing management. **HP Print Security Advisory Services** can help organizations assess vulnerabilities and compliance, develop a custom print security policy, and make process and technology recommendations for improved security. **HP Print Security Governance and Compliance** can help organizations maintain security settings compliance across the printer fleet.

HP understands healthcare security challenges and how to meet them. Whether it's in a clinic, a visit room, a doctor's office, the back office, a provider's home office, or a health insurance company, HP has the print solutions to help organizations reduce risk while improving efficiencies.

Learn more at [HP Print Security](#).

1. 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 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](http://hp.com/go/PrintersThatProtect). For more information, visit [hp.com/go/printersecurityclaims](http://hp.com/go/printersecurityclaims).
2. HP JetAdvantage Security Manager must be purchased separately. To learn more, please visit [hp.com/go/securitymanager](http://hp.com/go/securitymanager). Competitive claim based on HP internal research on competitor offerings (Device Security Comparison, January 2015) and Solutions Report on HP JetAdvantage Security Manager 2.1 from Buyers Laboratory LLC, February 2015.
3. The HP Universal Print Driver is available for download at no additional charge at [hp.com/go/upd](http://hp.com/go/upd).

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