A Comprehensive Approach To Printer Security

Single and multifunction printers are now capable of working at the heart of your business operations. With the exponential growth of wireless devices, cloud-hosted software and services, your printer not only needs to work with these new technologies, but also stay secure from them.

Prevent

Detect

Protect

External Partnerships

HOLISTIC PROTECTION FOR YOUR PRINTER

Xerox long ago recognized and embraced this shift in technology and the evolving needs of the workplace. We offer a comprehensive set of security features to keep your printers and your data safe. We secure every part of the data chain, including **print, copy, scan, fax, file downloads** and **system software**. There are four key aspects to our multi-layered approach.

PREVENT

Your first and most obvious vulnerability is the user interface and maintaining control over who has physical access to your printer and its features. Xerox security measures start with intrusion prevention through **User Authentication** to ensure only authorized staff have access. Once in, **Role-Based Access Control** ensures each team member only sees the features you want them to see. Every action by each user is also logged, offering a full **Audit** trail.

Then we tackle less obvious points of intrusion—what is sent to the printer and how. Xerox® ConnectKey® Technology will intercept attacks from corrupted files and malicious software.[1] Our system software is **Digitally Signed**: any attempts to install infected, non-signed versions will result in the file being automatically rejected. Print files will also get deleted if any part is not recognized as legitimate.

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DETECT

In the unlikely event that your data and network defenses are bypassed, Xerox® ConnectKey® Technology will run a comprehensive **Firmware Verification** test, either at start-up[2] or when activated by authorized users. This alerts you if any harmful changes to your printer have been detected. Our most advanced built-in solutions use **McAfee® Whitelisting**[3] technology, which constantly monitors for and automatically prevents any malicious malware from running. Integration with **Cisco® Identity Services Engine (ISE)** auto-detects Xerox® devices on the network and classifies them as printers for security policy implementation and compliance. By interacting with the market-leading McAfee® DXL and Cisco® pxGrid platforms, Xerox® Multifunction Printers (MFPs) employ an orchestrated response that neutralizes threats at their source the moment they occur.
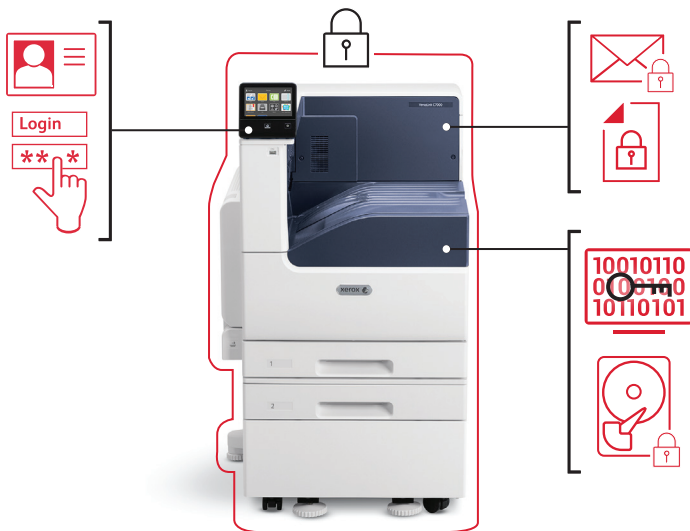
PROTECT

At Xerox, we drill down deeper. Our comprehensive security solutions also protect your printed and scanned documents from unauthorized disclosure or modification. Xerox® ConnectKey Technology helps to block the deliberate or accidental transfer of key data to those not authorized to see it.

We protect print output using a **PIN Code** or **Card Release** system. We restrict scan information from reaching those who should not receive it, using **digitally signed, encrypted and password-protected file formats**. ConnectKey Technology-enabled printers also let you **lock down 'to/cc/bcc' email** fields, limiting scan destinations to **internal addresses**.

Xerox also protects all your stored information using the highest levels of **encryption**. We delete any processed or stored data that is no longer required using National Institute of Standards and Technology (NIST) and U.S. Department of Defense approved **data clearing** and **sanitization algorithms**.[4]

EXTERNAL PARTNERSHIPS

We work with compliance testing organizations and security industry leaders such as **McAfee and Cisco** to wrap their overarching standards and know-how around ours.

For third-party independent proof that we achieve top levels of compliance, certification bodies like **Common Criteria (ISO/IEC 15408)** and **FIPS 140-2** measure our performance against international standards. They recognize us for our comprehensive approach to printer security.

ISO/IEC 15408 COMMON CRITERIA	**FIPS 140-2** VALIDATED	McAfee	CISCO
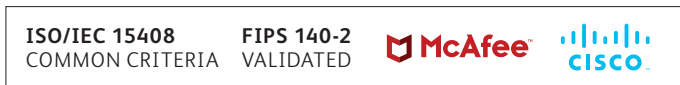
The most security-minded businesses and governments choose Xerox.

€¥   10/10 Top Global Banks

🎓   10/10 Largest Universities

🏛   All 50 U.S. State Governments

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[1] Malware interception with McAfee® Whitelisting Technology
[2] Xerox® VersaLink® Printers
[3] Xerox® AltaLink® MFPs, Xerox® WorkCentre® i-Series MFPs and Xerox® WorkCentre EC7836/EC7856 MFPs
[4] Applies to devices with Hard Disk Drives only

Learn more: **www.xerox.com/SecuritySolutions**

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