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 and cloud-hosted software and services, your printer not only needs to work with these new technologies, but also stay secure from them.

HOLISTIC PROTECTION FOR YOUR PRINTER

We, at Xerox, recognised and embraced the shift in technology and the evolving needs of the workplace a long time ago. We offer a comprehensive set of security features to keep your printers and your data safe. Additionally, 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 point of intrusion is the user interface, and maintaining control over who has physical access to your printer and its features is the first step. Our security measures start with intrusion prevention through **User Authentication** to ensure only authorised staff have access. Once in, **Role-based Access Control** ensures each team member sees only the features you want them to see. **Strong and complex password** enablement protects against hackers and malicious software, and support for **multi-factor authentication**[1] provides a further layer of security. 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. Our system software is **Digitally Signed**; any attempts to install infected, non-signed versions result in the file being automatically rejected. Encrypted keys are stored on TPM chips, keeping printers secure from cyber attacks.

DETECT

In the unlikely event that your data and network defences are bypassed, Xerox® ConnectKey® Technology will run a comprehensive **Firmware Verification test**, either at start-up or when activated by authorised users. This alerts you if any harmful changes to your printer have been detected. Our most advanced built-in solutions use **Trellix Allowlisting**[2] technology, which constantly monitors 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. Xerox® Devices integrate with market-leading SIEM software tools[3] to communicate security event data in real time. This aids in early breach detection and eliminates or mitigates the potential harm of security threats to the organisation.

PROTECT

Our comprehensive security solutions protect your printed and scanned documents from unauthorised disclosure or modification. Xerox® ConnectKey® Technology helps block the deliberate or accidental transfer of key data to those not authorised 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 by 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**.

We protect all your stored information using the highest levels of **encryption**. We delete any processed or stored data that is no longer required using the National Institute of Standards and Technology (NIST) and the US Department of Defense-approved **data clearing** and **sanitisation algorithms**[4].

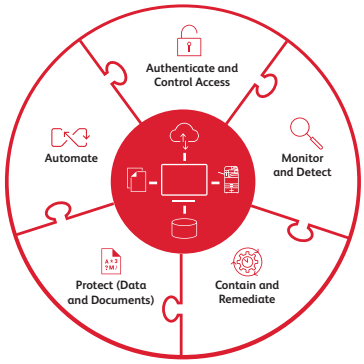
EXTERNAL PARTNERSHIPS

We work with compliance testing organisations and security industry leaders such as **Trellix and Cisco** to integrate their overarching standards and expertise in Xerox offerings.

For third-party, independent proof that we achieve top levels of compliance, certification bodies like **Common Criteria (ISO/IEC 15408)** and **FIPS 140-2/140-3** measure our performance against international standards. They recognise us for our comprehensive approach to printer security.

Our Bug Bounty[5] programme with HackerOne is another mark of confidence in our security measures, as well as an independent resource of technology validation.

Trellix · cisco · splunk> · LogRhythm · hackerone



XEROX SUPPORTS ZERO TRUST

With a combination of hardware, software and processes, we support your Zero Trust initiatives to make implementation simpler and more comprehensive.

Learn More: www.xerox.co.uk/en-gb/about/security-solutions/zero-trust-security

EASY-TO-IMPLEMENT AND MANAGE SECURITY

Select from pre-defined security templates (Default, Elevated or High), and the printer will automatically configure the corresponding security settings. Monitor up to 75 security settings with the Configuration Watchdog and it it will automatically reset them if any unauthorised changes are detected. This helps IT staff save time and eliminates the guesswork from security implementation and compliance.

[1] Multi-factor authentication is enabled through Xerox® Workplace Solutions and Cloud IdPs

[2] Xerox® AltaLink® Devices, Xerox® VersaLink® C415 Color/ B415 & C625 Colour/B625 Multifunction Printers, Xerox® VersaLink® C620 Colour/B620 Printer, Xerox® VersaLink® 7100 Series Multifunction Printer and Xerox® EC7800/ 8000 Series Multifunction Printer

[3] Trellix Enterprise Security Manager, LogRhythm and Splunk SIEM tools

[4] Applies to devices with hard disk drives only

[5] Bug Bounty offered through HackerOne on Xerox® AltaLink® MFPs, with more products, solutions and services to be added in the future

Learn more: **www.xerox.co.uk/en-gb/about/security-solutions**

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