



**imageRUNNER**  
ADVANCE DX

**imagePRESS Lite**




**CONTROL**

## SECURITY FOR MFPs, NETWORK COMMUNICATIONS, AND DOCUMENTS

Your organization relies on complex networks of connected people, processes, and technology to get the job done. And securing data is more important than ever before. Your multifunction printers are an integral part of this connected network helping to safeguard sensitive information, protect employee and customer data, and assist in your regulatory compliance efforts. With built-in and frequently updated security features, the Canon imageRUNNER ADVANCE and imagePRESS Lite Series can help you gain high levels of control over your MFPs, your network communications, and your documents.

# CONTROL

## YOUR MULTIFUNCTION PRINTERS



Advanced security features for your MFPs—many standard and all consistent across the product line for peace of mind.

### CONTROL DEVICE ACCESS

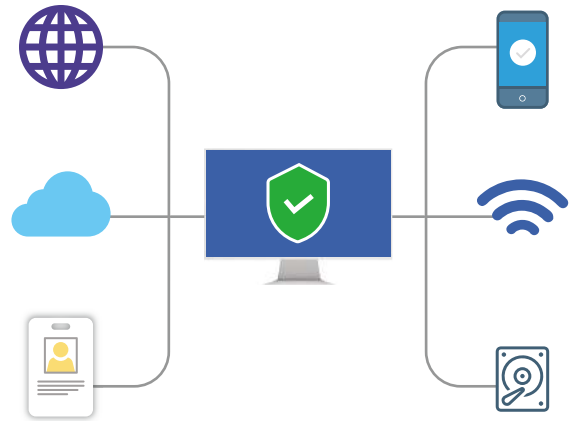
Using a host of flexible authentication methods, administrators can control who has access to the MFP and to which features. This can be done using a PIN, username and password, or card log-in (with the addition of an optional card reader). Restrictions, such as access to color copying and scanning functions, can be applied by individual, group, or through customized roles. You can also define whether to allow unregistered users, such as visitors, to log-in as guests and then specify their level of access.

### CONTROL ACCESS TO ADMINISTRATION SETTINGS

Device configurations, such as network settings and other control options, are available only to users with administrator privileges, enhancing security by helping to prevent intentional or accidental changes to device functions and permissions. Administrators can set requirements for passwords, such as expiration period, lockout time, and complexity. They can even access the device remotely with comprehensive control, from changing permissions to monitoring activity—even turning on or off devices, or locking down specific equipment or functions.

## CENTRALIZED SECURITY SETTINGS

Security settings can be configured from a centralized location, password protected, and accessible only to authorized users. This gives organizations the ability to separate security administration and device administration, reserving access to certain controls to security professionals. Security policy settings can be monitored at regular intervals, with notifications set to alert administrators when changes are made. After establishing these settings, an administrator can use device management tools to export across other devices in the fleet, building consistent security settings system-wide with little time and effort.



## YOUR VALUABLE DATA

imageRUNNER ADVANCE and imagePRESS Lite models provide standard support for storage device encryption, leveraging a cryptographic module that complies with the FIPS 140-2 security standard. This helps protect sensitive information stored on the storage device. The system also provides data protection with robust data erase features that can overwrite previous data on a Hard Disk Drive or AES 256-bit encryption on a Solid State Drive; this helps prevent stored data from being read/written on PCs or a different MFP. The Hard Disk Drive allows for on-demand or scheduled overwriting plus a confirmation report.\*

imageRUNNER ADVANCE and imagePRESS Lite models feature the ability to help verify that the device boot process, firmware, and applications initialize at startup, without any alterations or tampering by malicious third parties. During operation, McAfee Embedded Control utilizes a whitelist to protect against malware and tampering of firmware and applications.



\* HDD Erase Scheduler with confirmation report is optional. (This option is not supported on the imageRUNNER ADVANCE DX C5800/6800 Series models.)

# CONTROL

## YOUR NETWORK COMMUNICATIONS



A range of security solutions to help keep data safe from internal and external attacks as it travels the network.



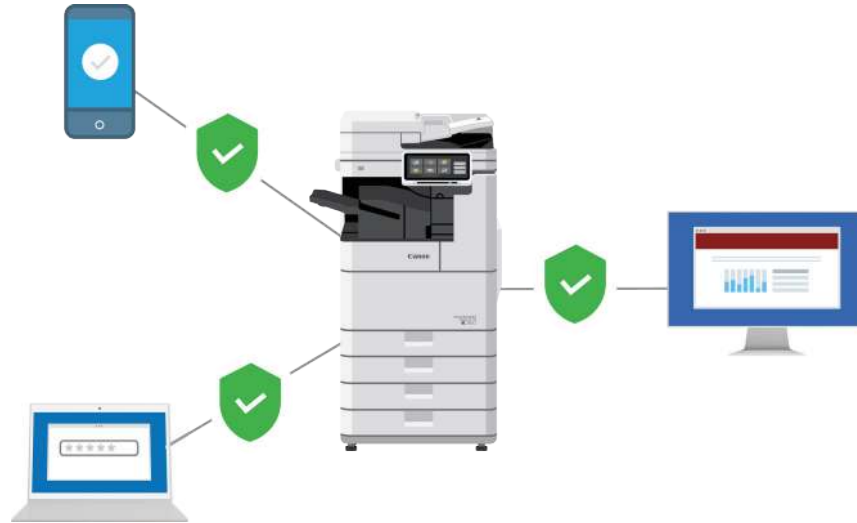
### ENCRYPT NETWORK TRAFFIC

imageRUNNER ADVANCE models include several security features to help protect data it sends across the network. IPsec (Internet Protocol Security) safeguards the exchange of data at the communications level by encrypting inbound and outbound network traffic, confirming sender identity, and helping ensure unaltered transmission receipt. TLS 1.3 (Transport Layer Security) encryption further prevents access to, and tampering of, data being exchanged, helping keep information safe in transit.



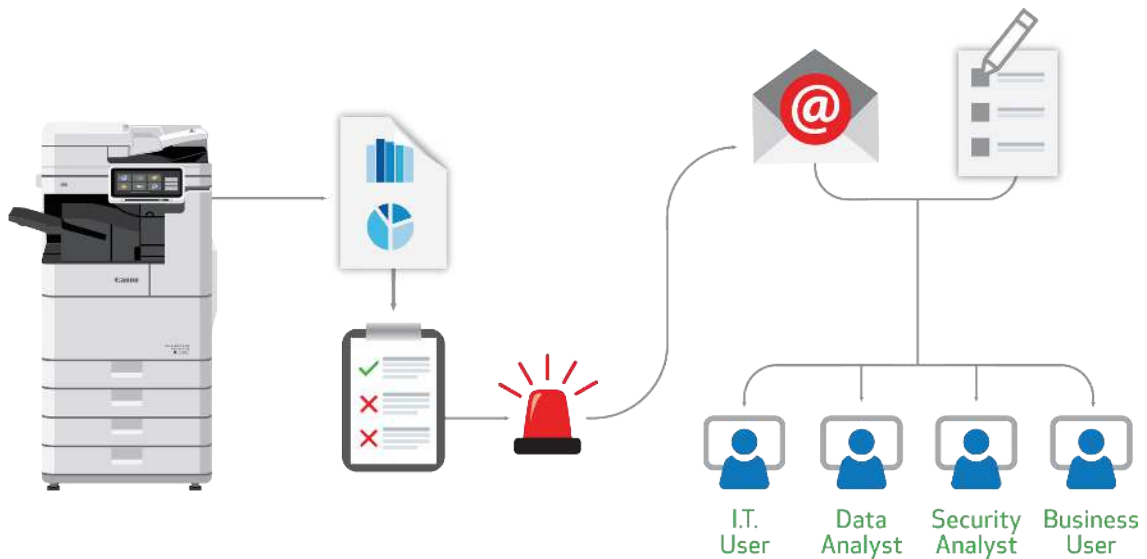
## NETWORK CONNECTIONS

Canon imageRUNNER ADVANCE systems support the IEEE 802.1x protocol, providing authentication to network devices and establishing a closed connection. The protocol is designed to help keep unwanted users from connecting to the network, whether they use a wired connection or mobile device.




## INTEGRATES WITH SIEM SYSTEMS

Security Information and Event Management (SIEM) systems can be valuable tools, providing network administrators with real-time, comprehensive insights into their network activity. The imageRUNNER ADVANCE platform is built to integrate with your existing SIEM infrastructure, communicating directly with these third-party tools to help deliver insights into your print environment. Administrators can set up alerts to be notified of potential issues such as failed authentication attempts, changes in settings, new applications, and more. This communication between imageRUNNER ADVANCE MFPs and SIEM systems can provide visibility into potential threats to your network and printers.



# CONTROL YOUR DOCUMENTS



Various security solutions to help protect sensitive documents throughout their life cycle.

## KEEPING DOCUMENTS IN THE RIGHT HANDS

All organizations deal with sensitive documents. Should documents get into the wrong hands, consequences can range from damaged reputation to heavy fines or even legal action. Sensitive and confidential information—including employee records, customer information, and proprietary intellectual property—is vulnerable when left unattended in output trays. To avoid having such documents left at the printer, users can create a PIN that must be entered at the device to release the job. Or administrators can require that users log in before printing their jobs using one of the various authentication methods.



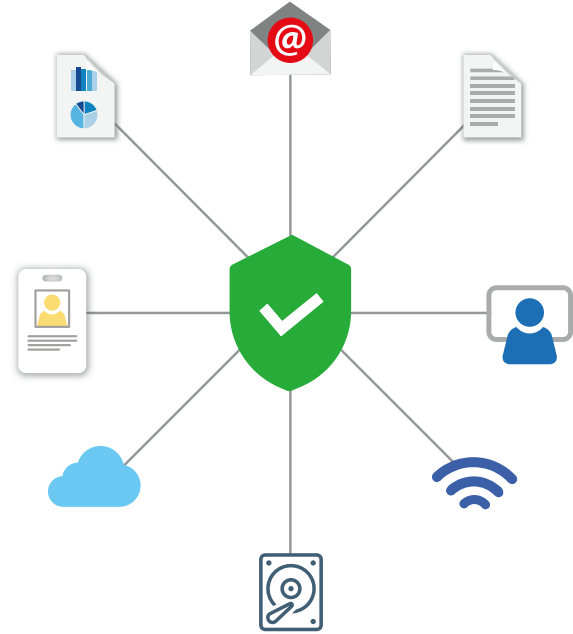
## WORKFLOW SECURITY

Whether by human error or with harmful intent, everyday office workflows can lead to misdirected information, potentially causing serious security issues. imageRUNNER ADVANCE devices have several features that can help—all easy to use and under the administrator's control. Scan destinations can be restricted for all users or certain groups, such as guests, limiting the ability to send documents to those recipients in a specific address book or domain. For even higher levels of control, users can be allowed to send documents only to themselves. Address books can be kept confidential to help protect private details and password protected so that information can be added, edited, or deleted only by authorized users.

For fax transmissions, incoming documents are stored in a proprietary format that helps protect them from malicious activity. Legitimate incoming faxes can be directed to specific mailboxes—or protected by PIN—under the administrator's control. The destination of outgoing faxes can be limited and controlled as well.

## PROTECT YOUR PDFS

PDFs often represent some of the most confidential documents in an organization, with the format often used for contracts, reports, proposals, financial statements, and similarly sensitive information. The built-in Encrypted PDF feature supports various levels of encryption for enhanced security when sending these documents. Permissions and passwords can be included to control who can open, read, or print the file. To help ensure the legitimacy of highly sensitive documents, users can add digital signatures to verify document source and authenticity. This signature can be viewed through the document properties or displayed prominently on the PDF's pages.



## CLOUD INFORMATION MANAGEMENT

Important business information can be stored in various locations within an organization. Workflow technology that can simplify communication and provide security features is top priority. Canon's strong integration with mxHero\* offers customers powerful capabilities that leverage their existing cloud storage infrastructure. These help address many issues that often come with sending and receiving large files, including the need for security features and the high costs related to email storage. As emails pass through mxHero, the body and attachments can be automatically routed to an access-restricted and indexed cloud storage account, such as Google Drive, OneDrive, Evernote, and Box. These are then replaced with a cloud storage link—thereby transforming in-boxes from bulky and potentially vulnerable to lightweight and controlled. mxHero solutions provide users with an array of security features, including the ability to enable automatic expiration of link access, prevention of file downloads, and password protection for supported cloud storage systems.



\* mxHero requires an optional solution.

imageRUNNER ADVANCE DX and imagePRESS Lite Models

SECURITY FEATURES		imageRUNNER ADVANCE DX C7700 Series/C5800 Series/C3700 Series/C357iF Series/ C477iF Series/8700 Series/6800 Series/6870i Model/4700 Series/717iF Series/ imagePRESS Lite C170 Series
<b>Device Management</b>		
Verify System at Startup		Standard
McAfee Embedded Control		Standard
<b>Security Management</b>		
Security Policy Settings		Standard
SIEM Integration		Standard
<b>Authentication</b>		
Active Directory/SSO		Standard
Universal Login Manager		Standard
uniFLOW Online Express		Standard
uniFLOW/uniFLOW Online		Optional
Proximity Card or CAC/PIV		Optional
<b>Access Control</b>		
Password-Protected System Setting		Standard
Access Management System		Standard
USB Block		Standard
<b>Data Security</b>		
TPM (Trusted Platform Module)		Standard (TPM 2.0 supported on imageRUNNER ADVANCE DX C5800/6800 Series)
Solid State Drive		Supported on imageRUNNER ADVANCE DX C5800/6800 Series
Hard Drive Password Lock		Standard
Hard Drive Data Format (EOL)		Standard (9x)
Hard Drive Data Erase*		Standard
Hard Drive Data Erase Scheduler MEAP		Optional
Hard Drive Data Encryption		Standard (FIPS 140-2 Validated)
Hard Copy and System Security		Optional (IEEE2600 Common Criteria)*
<b>Document Security</b>		
Secure Print (Driver-Based)		Standard
Encrypted Secure Print (Driver-Based)		Standard
Secure Print (Server/Cloud)		Optional
Secure Watermark		Standard
Mail Box Security		Standard
Encrypted PDF (AES 256 Support)		Standard
Device Digital Signature PDF		Standard
<b>Network Security</b>		
Port Management, IP Address, MAC Filtering		Standard
IPsec		Standard
Cipher Algorithm Selection		Standard
TLS 1.3 Support and SSL3.0 Disabled		Standard
<b>Certifications</b>		
Common Criteria IEEE 2600		Optional*
FIPS 140-2		IPSEC/CAC/PIV/HDD Encryption/TLS

\* IEEE 2600 not supported on the imageRUNNER ADVANCE DX C5800/6800 Series.

▪ Not supported on imageRUNNER ADVANCE DX C5800/6800 Series.

**Note:** Some features require an update to the latest version of the United Firmware Platform.



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