Print with confidence

Samsung Security Solutions

For Every Business

A4 to A3 · Mono to Colour · MFPs to Printers

www.samsung.com/printer

Color Xpression

xoa READY

Samsung Security Features

You may not realise it, but every business can benefit from security. Think of it this way: Would you be comfortable allowing your competitors full access to your information? Is there sensitive financial information or private customer information that should be protected? Vulnerabilities that you may never have considered exist everywhere.

For example, confidential information could be accidentally or even intentionally copied from stored documents, taken from the output tray, or faxed without authorisation. Any information stored on a local PC can be printed without authorisation. Information such as stored documents, email documents or print data can be intercepted from across a WAN, the internet/intranet, or VPN. A user from outside can even obtain or intercept confidential company or sensitive customer information through a fax line or corporate LAN without permission.

Worse yet, without security features, certain types of companies could be operating under regulatory non-compliance, leading to regulatory penalties or legal cases from affected customers and clients.

Some of the most common vulnerabilities associated with an unsecure MFP include:

- Legal cases
- Identity theft
- Loss of access
- Unauthorised use
- Stolen information
- Loss of data

Rest secure in the knowledge that Samsung is looking out for you.

We include security features at no additional cost (not the case with our competitors). Our leading-edge security features are based on industry standard requirements set forth by several regulatory and privacy organisations. These security features meet the needs of vertical market customers such as the government, education, healthcare and financial services.

Ask yourself these questions:

- Does your printing device feature an access code to lock out unauthorised users?
- Can your network administrator remotely enable/disable your devices ports to control usage?
- Can digital images on your device's hard disk drive be overwritten or encrypted?
- Does your printing device track usage by group or user?
- Do you need to authenticate your users?
- Do you have a secure method to erase all data at the end of the lease?

The importance of the information that is flowing through private and public devices has resulted in the need for broad regulations to protect this information.

Samsung is continuously working with our industry partners to create compatible printing devices that meet the regulatory requirements of today's information infrastructure. The security features presented to you are able to meet or exceed the current regulatory requirements our customers demand.

Some of the important regular and industry standards that affect the security requirements for Printers/MFPs:

- HIPPA
- SOX
- GLBA
- FERPA
- FISMA
- HSPD-12
- Common Criteria
- IEEE™ 2600-2008, IEEE 2600.1-2009, IEEE 2600.2-2009

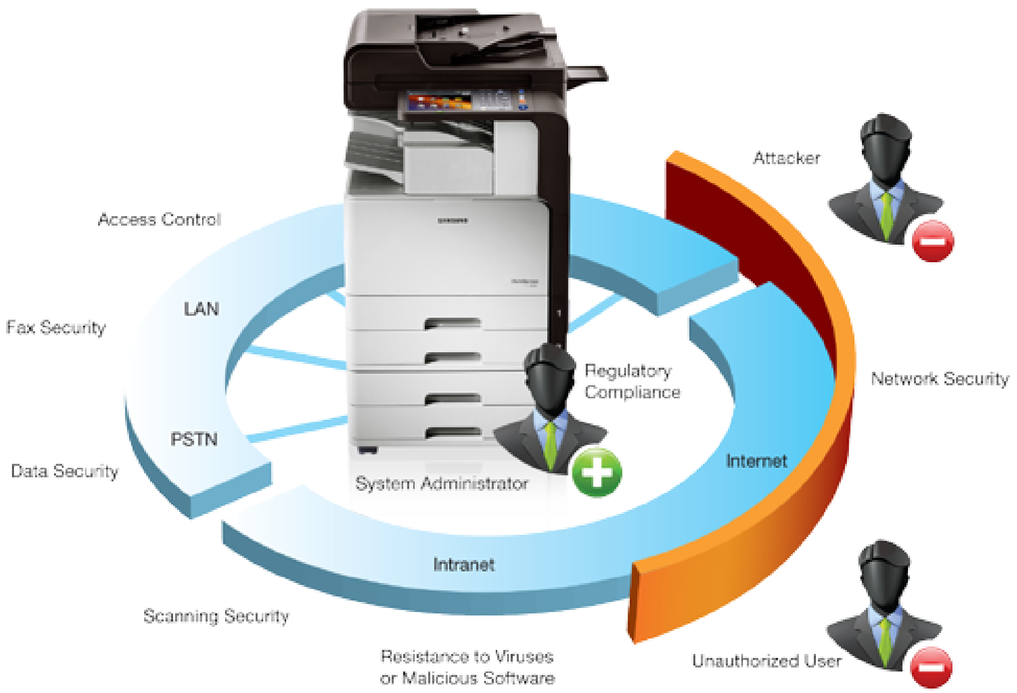
Samsung security solutions. Security with simplicity.

If you work with sensitive information, from healthcare to finance to government, the need for security is compulsory.

As one of the world's foremost technology leaders, Samsung can offer your company solutions that make security simple. We understand the intricacies and sensitivities of system security, and create machines that are easy to incorporate into your existing processes.

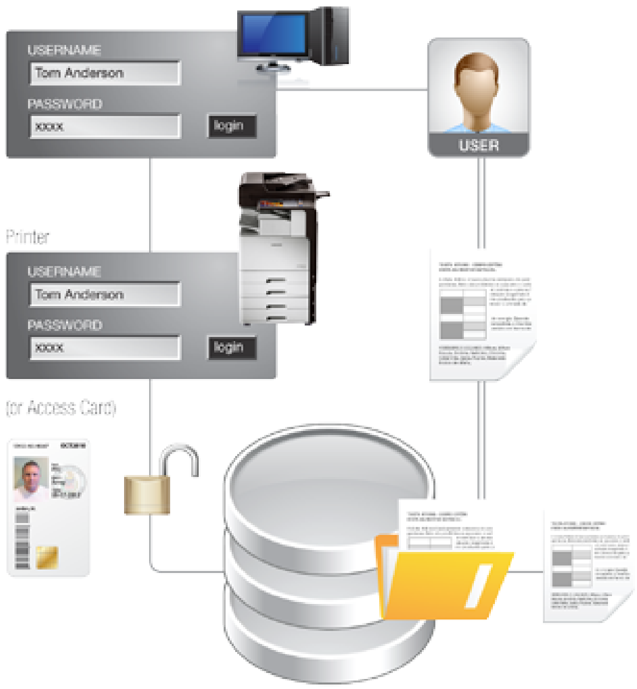
We also remember you have a job to do and a business to run, so we make our machines easy to use, as well. Samsung provides businesses across the country with advanced features that are simple to use, and that are designed to save time and money. At Samsung, we invest billions every year to continually provide you with the very latest in technology and reliability.

No matter what kind of delicate information you're working with, whether you're a small physician group or a major government contractor, your business can rest secure in the knowledge that Samsung is working for you.
System Administrator Regulatory Compliance Unauthorised

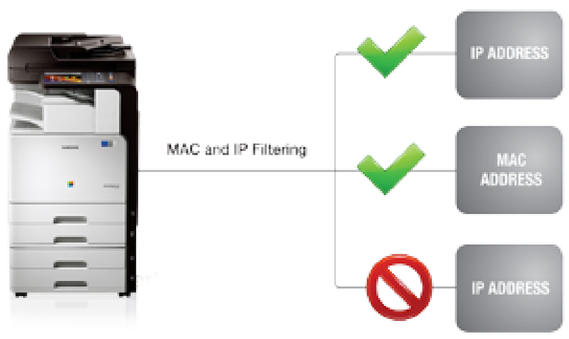


Access Control

Secure Printing
Allows a user to set a PIN or to use their access card (requires optional solutions) in order to retrieve a print job from the device. The job remains on the hard disk drive (HDD) until the user retrieves the job or until data is removed from the HDD.



MAC and IP Filtering
Limits access to select MAC/IP addresses.



LDAP (Lightweight Directory Access Protocol)
An application protocol for querying and modifying directory services running over TCP/IP.

User Authentication
Authenticates users against the customer's corporate directory via LDAP, LDAP over SSL, or Kerberos.

Network Security

Admin Authentication
The MFP requires the system administrator to enter authentication before permitting access to the system management items. System administrators include SyncThru™ Web Service administrators and the local system administrators. The authentication process for the SyncThru™ Web Service administrator uses an account and a password on the user interface, while the authentication process for the local MFP system administrator uses a PIN number on the MFP user interface.

Secure Communications
All communications to and from most Samsung MFP's can utilise Secure Socket Layer (SSL) for secure transmission over the network, and most Samsung devices also support SMB, IPv6, 802.1x, IPSec, and SNMP3. Some MFPs also support Trusted Platform Module (TPM).

HTTPS
Allows web traffic to be encrypted, so that remote management via the printers and MFP's web pages can be performed securely.

Scanning Security

Network Authentication (Secure Scanning)
The Samsung business MFPs prevent unauthorised use of the installed network options (Network Scanning, Scan-to-Email, and Scan-to-Server). The network options available are determined by the system administrator. To access a network service, the user is required to use their access card or provide a user name and password, which is then validated by the designated authentication server.
User Authentication can protect the MFP from unauthenticated user access. Unauthenticated users can see the basic status of the MFP, but cannot configure MFP settings. User Authentication needs to authenticate users who want to change MFP settings or use functions like Copy, Fax, Scan and Printing. User Authentication can be configured by Local Authentication or LDAP Authentication.

Card Reader Support (Requires third party card solution)
Ensures that only badged employees can access the networkthrough its devices.

Address Book Lookup via LDAP over SSL
Ensures all information is exchanged via LDAP, including the user's credentials, name, email address and fax.

Data Security

HDD Erase
Eliminates residual data by overwriting the entire disk (automatic or on-demand).

HDD Encryption
Allows all residual data on the hard drive of devices to be encrypted. Numbers are encrypted to preserve the confidentiality and privacy of the data. All HDD data can be erased on demand at the end of the lease.

Fax Security

Secure Fax Reception
Samsung fax devices comply with ITU (International Telecommunications Union) standards. If any of the data received by the fax device does not meet these standards, the transmission is rejected.

Samsung's Secure Receiving mode feature can prevent received faxes from being accessed by unauthorised people. You can turn on Secure Receiving mode to restrict printing of received faxes when the machine is unattended. In Secure Receiving mode, all incoming faxes go into memory. A four-digit PIN is established at the set-up of this feature and must be entered in order to retrieve the stored faxes.

Common Criteria

Government/Military Requirements: Common Criteria Certification
Common Criteria Certification provides independent, objective validation of the reliability, quality and trustworthiness of IT products. It is a standard that customers can rely on to help them make informed decisions about their IT purchases. Common Criteria sets specific information assurance goals including strict levels of integrity, confidentiality and availability for systems and data, accountability at the individual level, and assurance that all goals are met. Common Criteria Certification is a requirement of hardware and software devices used by the government on national security systems. In 1994, Common Criteria were created for IT security evaluation standards worldwide.

ISO 15408 resulted when these Common Criteria became international standards in 1999.

System Audit Logs
The Secure Management system provides logs, backup and email notification, to give users an overall view of their secure documents even after they have been printed and stored.

Vertical Market Regulations

Banking	BASEL II	Basel II is the second of the Basel Accords, which are recommendations on banking laws and regulations issued by the Basel Committee on Banking Supervision. The purpose of Basel II, which was initially published in June 2004, is to create an international standard that banking regulators can use when creating regulations about how much capital banks need to put aside to guard against the types of financial and operational risks banks face.
Banking/Financial	SEC 17a-4	This Act requires the creation and maintenance of records of securities transactions for the purpose of review and audit in order to better protect investors and the local economy.
Banking/Financial	GLBA	Gramm-Leach-Bliley Act contains a Safeguards Rule which requires financial institutions to have in place a comprehensive security program to ensure the security and confidentiality of customer information.
Education	FERPA	Family Educational Rights and Privacy Act regulations provide that educational agencies and institutions that receive funding under a program administered by the Department of Education must provide students with access to their education records, an opportunity to seek to have the records amended, and some control over the disclosure of information from the records.
General	SOX	The Sarbanes-Oxley act was enacted to protect shareholders from accounting errors and fraudulent practices. It defines which records are to be stored and for how long.
Healthcare	HIPAA	Title II of the Health Insurance Portability and Accountability Act (HIPAA), known as the Administrative Simplification (AS) provisions, requires the establishment of national standards for electronic health care transactions and national identifiers for providers, health insurance plans and employers. It helps people keep their information private.
Government	Common Criteria	Common Criteria is a international compliance which allows users the ability to have a high level of certified security through functional and assurance requirements. Common Criteria sets specific information assurance goals which included a strict levels of integrity, confidentiality and availability for systems and data, accountability at the individual level, and assurancethat all goals are met for end users.
Government	IEEE 2600-2008	This standard defines security requirements from all aspects of security including authentication, authorisation, privacy and information security which are required to meet standards for manufacturers and users when selecting a device or range of printers or MFPs

Notes

Solutions Compatibility Matrix		A4 Mono Printer						A4 Mono MFP					A4 Colour Printer		A4 Colour MFP		A3 Mono MFP				A3 Colour MFP				
Category	Solutions & Utilities	ML-3710ND	ML-3750ND	ML-4510ND	ML-5015ND	ML-5510ND	ML-6510ND	SCX-4833FD	SCX-5737FW	SCX-5835NX	SCX-6545NX	SCX-6555NX	CLP-680ND	CLP-775ND	CLX-6260ND	CLX-6260FR	SCX-8123NA	SCX-8128NA	SCX-8230NA	SCX-8240NA	CLX-9201NA	CLX-9251NA	CLX-9301NA	CLX-9252NA	CLX-9352NA
Device Management	Third Party Application Support									XOA	XOA	XOA							XOA	XOA	XOA	XOA	XOA	XOA	XOA
	CounThru™ 2. Pro/Enterprise	✓ 2 (20)	✓ 2 (20)	✓ 3	✓ 3	✓ 3	✓ 3	✓ 2 (20)	✓ 3	✓ 3	✓ 3	✓ 3	✓ 2 (20)	✓ 3	✓ 2 (20)	✓ 2 (20)	✓ 3	✓ 3	✓ 3	✓ 3	✓ 3	✓ 3	✓ 3	✓ 3	✓ 3
	SyncThru™ Admin 6	✓ 2 (20)	✓ 2 (20)	✓ 3	✓ 3	✓ 3	✓ 3	✓ 2 (20)	✓ 3	✓ 3	✓ 3	✓ 3	✓ 2 (20)	✓ 3	✓ 2 (20)	✓ 2 (20)	✓ 3	✓ 3	✓ 3	✓ 3	✓ 3	✓ 3	✓ 3	✓ 3	✓ 3
	SyncThru™ Web Service	✓ 2	✓ 2	✓ 2	✓ 2	✓ 2	✓ 2	✓ 2	✓ 2	✓ 3	✓ 3	✓ 3	✓ 2	✓ 1	✓ 2	✓ 2	✓ 2	✓ 2	✓ 2	✓ 2	✓ 2	✓ 2	✓ 2	✓ 2	✓ 2
Document Workflow	SmarThru™ Workflow 3									✓ 1	✓ 1	✓ 1					✓ 1	✓ 1	✓ 1	✓ 1	✓ 1	✓ 1	✓ 1	✓ 1	✓ 1
	Document Box							✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓
	Barcode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SmarThru™ Office							✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Output Management	SecuThru™ Lite									✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓
	CAC Solution Packaged (FIPs 201-1)								✓ 11.4							✓	✓ 1 11.4	✓ 1 11.4	✓ 1 11.4	✓ 1 11.4	✓ 1 11.4	✓ 1 11.4	✓ 1 11.4	✓ 1 11.4	✓ 1 11.4
	Standard Accounting									✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓
Security	Confidential Printing(Secure Printing)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Data Erasing and Encryption			✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Print Job Encryption	✓	✓	✓	✓	✓	✓	✓	✓								✓	✓	✓	✓	✓	✓	✓	✓	✓
	PDF Encryption							✓	✓								✓	✓	✓	✓	✓	✓	✓	✓	✓
	Protocol & Port management	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
	IP/Mac address filtering	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	IPV6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓
	MAC address filtering	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓
Certification	Common Criteria (Security)															✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Cerner Certification (Healthcare)	✓	✓			✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Citrix certification	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SAP Compatibility	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

To learn more about Samsung Print,
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