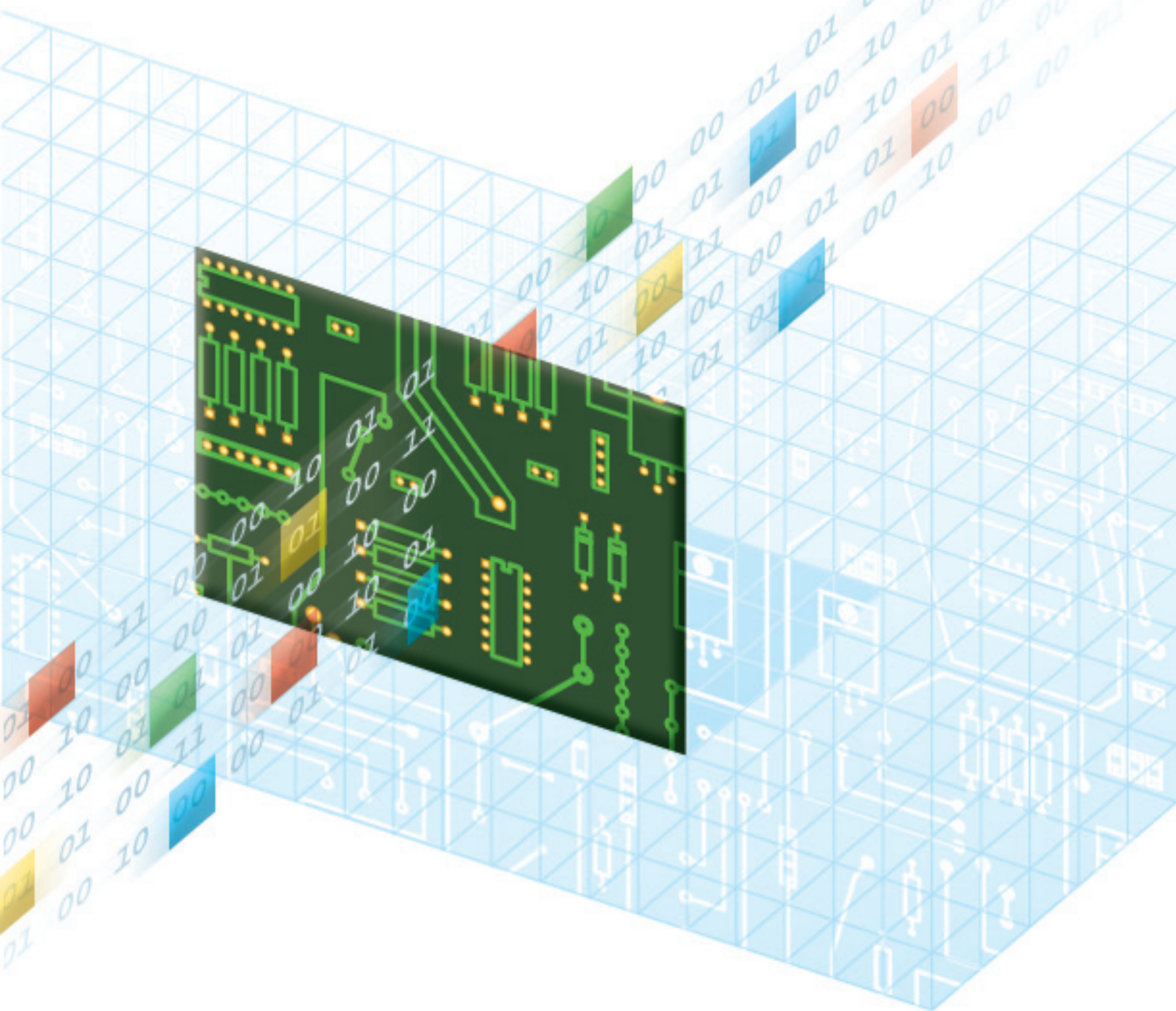




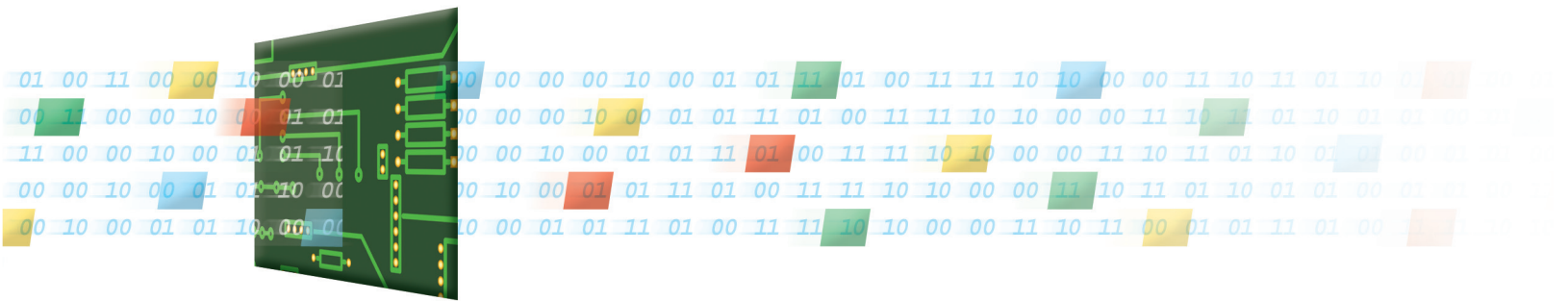
Canon imageRUNNER® Hard Disk Drive Data Security Options

Data Encryption and Overwrite



Canon imageRUNNER

Hard Disk Drive Data Security Kits



Powerful protection for your most important information.

Canon means business when it comes to the security of your data on imageRUNNER devices. Ever since hard disk drives became the norm on multifunction peripherals, Canon has been committed to protecting your data against compromise. From non-standard operating systems and proprietary image compression formats to a unique disk system and non-contiguous file storage, imageRUNNER devices inherently provide a sufficient level of assurance for most organizations.

For organizations that require a higher level of protection, Canon is proud to offer Hard Disk Drive (HDD) Security options for imageRUNNER devices. Whether you need to meet the strict security demands of the private sector or comply with the stringent privacy and auditing regulations of the public sector, Canon provides two optional features that deliver higher levels of protection—**HDD Data Encryption and HDD Data Erase.**



Color imageRUNNER C5185



imageRUNNER 5075

Optional HDD Data Encryption Kit

Proven algorithms protect your data.

The Canon HDD Data Encryption option has been designed to protect all temporary data and stored documents on the internal disk drive through proven industry-standard encryption algorithms. Recognized by the National Institute of Standards and Technology (NIST) and the National Security Agency (NSA) for its strong level of security, the HDD Data Encryption Kit is a dedicated plug-in board that encrypts every byte of data before it's committed to the disk using 256-bit AES (Advanced Encryption Standard) or 168-bit TDEA (Triple Data Encryption Algorithm) algorithms (depending on model). The HDD Data Encryption Kit utilizes an inaccessible secret key that's stored on the plug-in board to encrypt and decrypt all data, that's stored in random, non-continuous portions of the disk drive. Once written, the data is virtually irretrievable by anyone seeking to recover it from within the device or through external file recovery utilities.



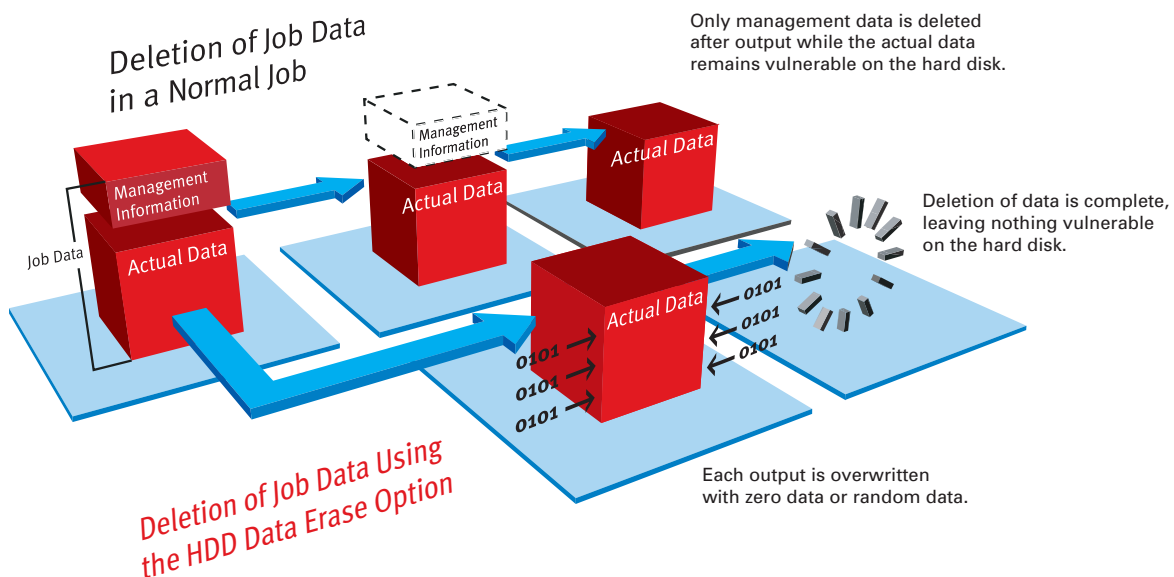
Canon MFP security chips are Common Criteria Certified.

Each of the optional HDD Data Encryption Kits are equipped with the Canon MFP Security Chip 1.00 which has achieved a Common Criteria Certification of Evaluation Assurance Level 3 (EAL3) for its effectiveness at preventing unauthorized access to data proven through methodical testing and verification. This level of assurance may assist companies with meeting their internal privacy goals, addressing regulations like the Gramm-Leach-Bliley Act (GLB), Sarbanes-Oxley Act (SOX), Health Insurance Portability and Accountability Act (HIPAA) and Family Education Rights Privacy Act (FERPA).

Optional HDD Data Erase Kit

Even after deletion, data can be potentially retrieved.

Once data has been committed to any disk drive, the potential exists for it to be retrieved even after deletion unless it's been effectively overwritten. To counteract this reality, Canon has developed and implemented the HDD Data Erase function within imageRUNNER devices. Once activated, the HDD Data Erase function can ensure that no traces of any temporary data or deleted documents remain accessible on the disk drive.



Canon's overwrite options securely erase your data.

Depending on the level of security required, the HDD Data Erase feature can continuously perform one of three different actions on the sectors of the disk drive targeted for overwrite. To remove the possibility of erased data being retrieved, the HDD Data Erase feature can be configured to overwrite once with null data, overwrite once with random data, or overwrite with random data three times for maximum security. The overwrite process, which includes any references to the data's physical locations in the directory, is performed each time a file is deleted. When data has been erased by the HDD Data Erase feature, it's permanently irretrievable by hackers through disk utilities and file recovery tools.

Compatibility Charts

Security kits with seperated encryption and data overwrite functions

	Data Encryption Kit	Data Erase Kit
Common Criteria Certification	EAL3	N/A
Devices	Color imageRUNNER C5185/C5185i/C4580 V2/ C4580i V2/C4080 V2/C4080i V2/C3380 V2/C3380i V2/ C2880 V2/C2880i V2 imageRUNNER 7105 V2/7095 V2/7086 V2/ 7095 Printer V2/5075/5065/5055/3045/3035/ 3030/3025	Color imageRUNNER C5185/C5185i/C4580 V2/ C4580i V2/C4080 V2/C4080i V2/C3380 V2/C3380i V2/ C2880 V2/C2880i V2 imageRUNNER 7105 V2/7095 V2/7086 V2/ 7095 Printer V2/5075/5065/5055/3045/3035/ 3030/3025
Activation	Install Encryption Board	LMS License Access Key
Deactivation	Uninstall the Board	N/A

Functions

HDD Encryption	X (256 Bit, AES)	N/A
HDD Overwrite	–	X
Overwrite Pattern	–	Null: Once Random Data: Once Random Data: 3Times
Mail Box Password		
7-Digit Password Required	–	X (Local UI Remote UI)
Authentication Failure 1 Second UI Lock	–	X (Local UI Remote UI)
2x Password Entry at Registration	–	X
System Manager Password		
7-Digit Password Required	–	X (Local UI Remote UI)
1 Second UI Lock Authentication Failure	–	X (Local UI Remote UI)
Password Initialization in Service Mode	–	–
2x Password Entry at Registration	–	X
ScanGear Support	X	N/A
imageWARE® DM Support	X	N/A
MEAP®	X	X
Web Access Software Support	X	X
Encryption of Attached File on I-FAX	X	X
Displaying the Security Kit Version	Displayed in Device Configuration Screen	

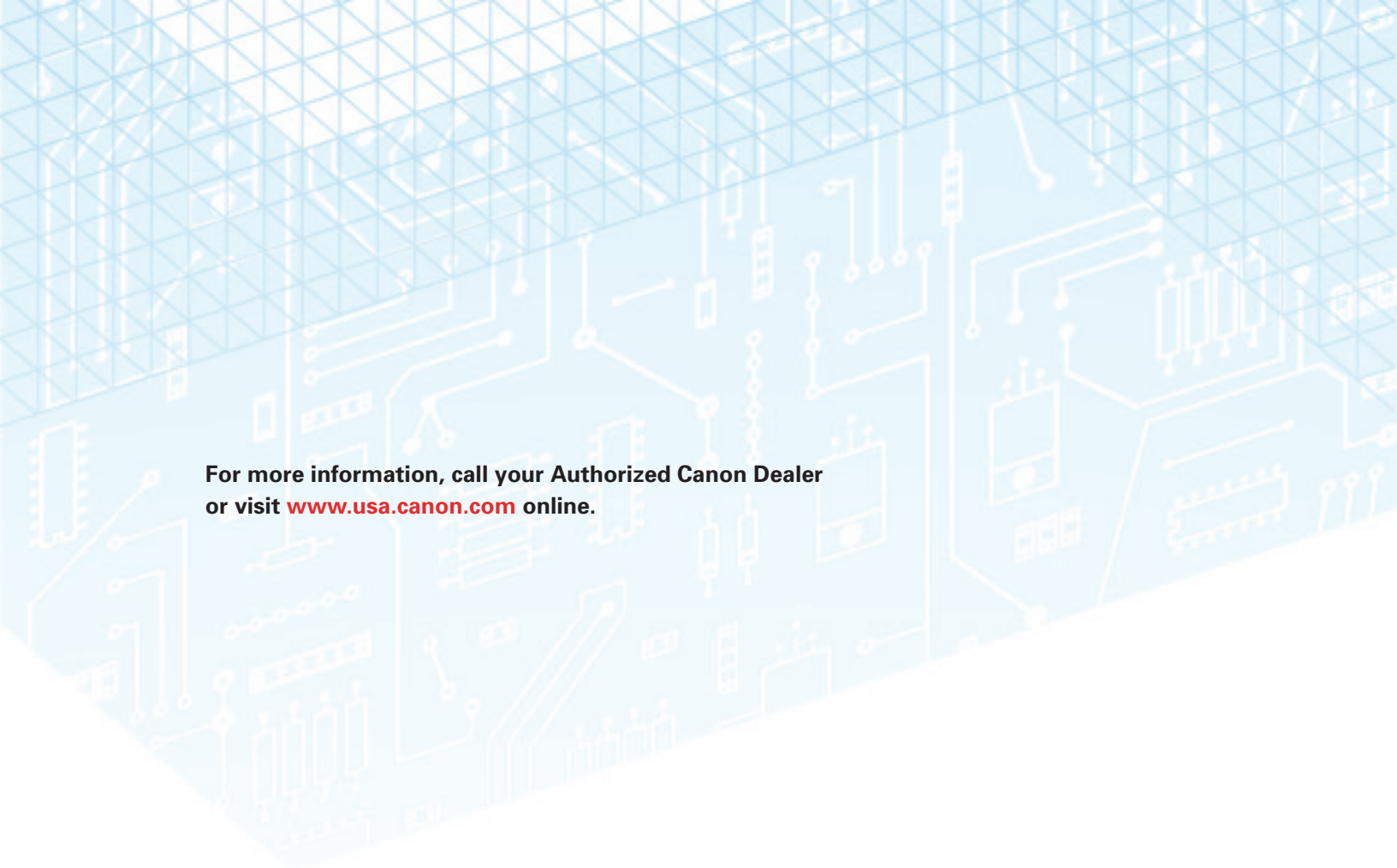
Security kits with both encryption and data overwrite functions

	Security Kit-A Series	Security Kit-B Series
Common Criteria Certification	N/A	EAL3
Devices	imageRUNNER 4570/3570/2870/2270/6570/5570/ 5070/105+/9070/8070/85+/C3170U/C3170i/7105/ 7095/7095 Printer/7086/C5180/C5180i/C4580/ C4580i/C4080/C4080i/3300i/3300/2800/2200/3320i/ 3320N/2220i/2220N/5000i/5000/6000/5020/6020/ C6870U/C6800/C5870U/C5800/C3200/C3220/C2620	imageRUNNER 6570/5570/4570/3570/3300/2870/ 2800/2270/2200 (imageRUNNER 5070 is not supported)
Activation	LMS License Access Key	
Deactivation	X (in the Service Mode)	N/A

Functions

HDD Encryption	X (168 Bit, TDEA)	X (168 Bit, TDEA)
HDD Overwrite	X	X
Overwrite Pattern	Null: Once / Random Data: Once / Random Data: 3Times	
Mail Box Password		
7-Digit Password Required	–	X (Local UI and Remote UI)
Authentication Failure 1 Second UI Lock	–	X (Local UI and Remote UI)
2x Password Entry at Registration	–	X
System Manager Password		
7-Digit Password Required	–	X (Local UI and Remote UI)
Authentication Failure 1 Second UI Lock	–	X (Local UI and Remote UI)
Password Initialization in Service Mode	X	–
2x Password Entry at Registration	–	X
ScanGear Support	X	N/A
imageWARE DM Support	X	N/A
MEAP	X	X
Web Access Software Support	X	X
Encryption of Attached File on I-FAX	–	X
Displaying the Security Kit Version	–	Displayed in Device Configuration Screen

LEGEND: X = Feature available – = Does not apply N/A = Not available



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