

SECUREONE™ OPEN ARCHITECTURE SECURITY SYSTEM

MULTI-LEVEL SECURITY SOLUTIONS

Scalable protection – MLS security

Each security solution in our SecureOne™ high assurance architecture offers you the protection you need through a core technology of either our trusted microprocessor or high-assurance filter engine. Our scalable design lets you use units individually or collectively to meet your system requirements. We offer solutions for both network and tactical applications.

A BROAD RANGE OF CROSS DOMAIN SOLUTIONS

Instantly protect your information while enabling the U.S. Department of Defense (DoD) or Ministry of Defense (MoD) to disseminate critical operational and intelligence information. Designed for network, tactical applications, our cross domain solutions provide an automated means to sanitize, downgrade, guard and transliterate formatted data between various security enclaves.

Solutions include:

- SecureOne MILS network cross domain solution (CDS) drawer
- SecureOne MILS tactical cross domain solution (CDS) – 1553, F-35 ASM Fibre Channel, 422 or Ethernet-only interfaces
- SecureOne filter engine (software)
- Cross Domain, Encryption, Display, Processor and Storage

KEY FEATURES AND BENEFITS

- Autonomously mediates unidirectional and bidirectional information flow between security domains based on a user-configurable ruleset
- Supports standard and nonstandard messages, formatted and unformatted data, and fixed and variable formatted file types
- Increases users' situational awareness through trusted, multi classification information sharing
- Enables users to develop and modify rulesets as well as integrate their applications without affecting product accreditation





SECUREONE MILS ENCRYPTORS

Protect your information in transit, sent from a variety of devices across all types of networks. Our MILS encryptors are designed for network and tactical DoD or Ministry of Defense (MoD) applications. Each encryptor includes an embedded, JANUS-based cryptographic engine. All are Type 1 NSA-certified, high-assurance programmable cryptographic products capable of simultaneously protecting Top Secret through Unclassified data, whether the information is at rest or in transit.

Encryptors include:

- Embeddable MILS CSS
- SecureOne KOV-74A MILS tactical encryptor
- SecureOne KOV-74A MILS network encryptor drawer

The KOV-74A provides encryption/decryption, limited bypass, integrity, authentication, remote cryptographic initialization and over-the-network key management.

SECUREONE PROCESSOR TECHNOLOGY AND ARCHITECTURE

Support multiple applications executing simultaneously with data at different classification levels.

Features include:

- Separation kernel with trusted Green Hills operating system
- Secure hosting of other applications

The SecureOne display architecture supports the simultaneous access, display and input of data at different classification levels. SecureOne storage architecture supports receipt, storage and retrieval of data at different classification levels simultaneously. SecureOne processing architecture supports running applications at multiple levels of security.

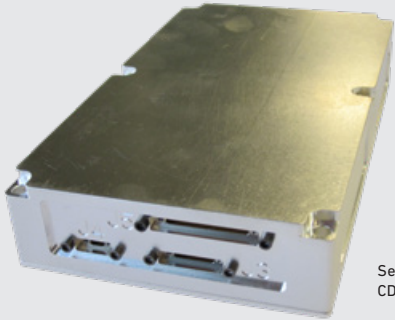
With these technologies, your platform can securely process, communicate, display and store data at different classification levels without the need to install physically separate equipment to securely protect the classified data. This can reduce your size, weight and power profile while lowering your overall cost of ownership.

The SecureOne family will continue to grow, adding high-assurance solutions and products to meet your mission requirements.

SecureOne™ high assurance family



SecureOne MILS tactical CDS with ethernet interface



SecureOne MILS tactical CDS with 1553 interface



SECUREONE MILS TACTICAL CDS

The tactical CDS provides connectivity to a MILS infrastructure for tactical embedment or enterprise use. Five independent MILS channels simultaneously bridge several security enclaves and networks. You can configure data flow to bidirectional, unidirectional or all-way for each of the five channels. The tactical CDS enables information to flow simultaneously between networks of different classification levels, Top Secret through Unclassified. Once deployed, the tactical CDS doesn't require annual maintenance or software updates.

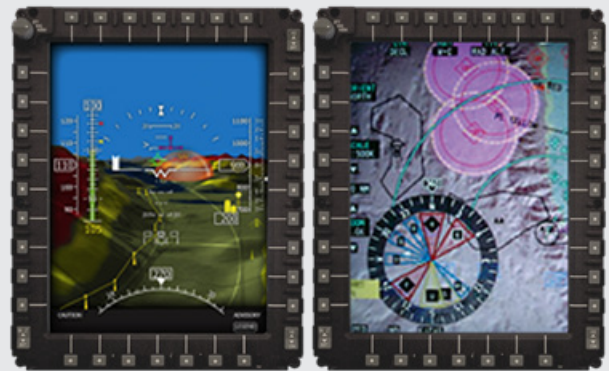
SECUREONE MILS NETWORK CDS DRAWER

SecureOne MILS network CDS drawer is an all-way network CDS with 12 channels of bridging capability. Instantly protect your information while allowing the U.S. Department of Defense to disseminate and receive critical operational and intelligence information. Your users can configure data to flow in bidirectional, unidirectional or all ways for each of the 12 channels.



SECUREONE STORAGE

SecureOne storage is a technology and architecture that supports the receipt, storage and retrieval of data at different classification levels simultaneously. It is an internet protocol network attached storage.



SECUREONE DISPLAY

SecureOne display is a technology and architecture that supports the simultaneous access, display and input of data at different classification levels.



SECUREONE MILS PROCESSOR

SecureOne MILS processor is a technology and architecture that supports multiple applications executing simultaneously with data at different classification levels. It forms the foundation of the SecureOne guard, SecureOne display and SecureOne storage and can host other security applications.



SECUREONE KOV-74A MILS TACTICAL ENCRYPTOR

Our KOV-74A MILS tactical encryptor provides encryption/decryption, limited bypass, integrity, authentication, remote cryptographic initialization and over-the-network key management. With 32 virtual channels across four physically independent red channels, you can process multiple independent channels of high-rate data at rest and data in transit. The KOV-74 uses our NSA Type 1 certified MILS JANUS cryptographic engine. We developed JANUS in compliance with the NSA's 3-9 CryptoMod initiatives. Compliance requires assured security robustness, crypto-algorithm support, interoperability, releasability, programmability and cryptographic key management.



SECUREONE KOV-74A MILS NETWORK ENCRYPTOR DRAWER

Our KOV-74A MILS network encryptor drawer is a 19-inch, rack-mounted drawer that features an embedded KOV-74A MILS encryptor. It is a Type 1 National Security Agency (NSA) certified, high-assurance product with four channels and programmability. It can simultaneously protect your Top Secret through Unclassified data for data-at-rest and data-in-transit information. Our encryptor drawer provides encryption, decryption, limited bypass, integrity, authentication, remote cryptographic initialization and over-the-network key management.

Specifications subject to change without notice.



Collins Aerospace

400 Collins Road NE
Cedar Rapids, Iowa 52498
800.321.2223 | +1.319.295.5100
fax: +1.319.378.1172

learnmore@collins.com
collinsaerospace.com