



## SECUREONE™ MILS TACTICAL CROSS DOMAIN SOLUTION

# DATA FLOW SECURITY

### All-way, five-channel, cross domain data protection

Protect information in real time while enabling U.S. and international warfighters to disseminate and receive critical operational and intelligence information with our SecureOne™ Multiple Independent Levels of Security (MILS) tactical cross domain solution (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.

Based on our SecureOne and Turnstile™ high assurance guard architectures, the tactical CDS enables information to flow simultaneously between networks of different classification levels, Top Secret through Unclassified. With the high assurance guard, you'll get a multi-way, cross-domain framework with certified policy enforcement, providing easily reconfigurable, user-loadable security rulesets. Once deployed, the tactical CDS doesn't require annual maintenance or software updates.

With the tactical CDS, you can process standard and nonstandard messages as well as other non/semi-formatted file types. Its cross-domain framework ensures quick reconfiguration to a variety of target applications. Unlike competitor products, the tactical CDS enables you to write and update rulesets in real time using our ruleset development kit, with no annual maintenance license or fee.

### KEY FEATURES AND BENEFITS

- MILS open architecture supporting five MILS channel interconnection, cross domain communication and multiple classification levels of data
- Multiple one-way and/or all-way MILS high assurance CDS channels
- Designed for tactical embedment with small size, weight and power usage
- Simultaneous Top Secret through Unclassified data protection – in one channel and one step
- Up to 10 Mbps data flow with less than 20 ms latency under four simultaneous security enclave loading
- User-definable policies provide flexible tagging
- EAL-6+ operating system
- UCDSMO baseline certification in process

## SYSTEM CHARACTERISTICS

- SecureOne and UCDSMO-certified based architecture
- Top Secret through Unclassified all-way high assurance guard
- Green Hills® INTEGRITY®-178B MILS separation kernel
- Scalable support for multiple decentralized systems and security enclaves
- Low-latency communications (<2 ms typical, ruleset and protocol dependent)
- Designed for remote/network management

## SYSTEM INTERFACES

- Five channels for Unclassified through Top Secret data
- One channel for management control in embedded version
- Available data interfaces: 10/100BASE-T Ethernet, MIL-STD-1553 A/B or JSF ASM Fibre Channel

## CROSS DOMAIN PROTECTED NETWORK WITH MILS SECURITY

You can also use the tactical CDS with our SecureOne KOV-74 MILS tactical encryptor. This NSA Type 1, four-channel MILS high-assurance programmable cryptographic product protects Top Secret through Unclassified data, creating a fully configurable cross domain protected network.

## SECUREONE™ MILS TACTICAL CDS DRAWER



The SecureOne™ MILS tactical CDS are flexible, secure and versatile, and enable multi-level security on the battlefield for a wide variety of platforms.

## PHYSICAL CHARACTERISTICS

### 10/100 BASE-T ethernet-only version

Dimensions	6.0" x 3.5" x 0.75"
Weight	<0.9 lbs
Power	10 W max; 5 VDC
Mounting	Six through holes in corners
Cooling	Convection/conduction

### MIL-STD-1553 A/B plus ethernet version

Dimensions	6.0" x 3.5" x 1.0"
Weight	<1.7 lbs
Power	15 W max; 5 VDC
Mounting	Six through holes in corners
Cooling	Convection/conduction

### JSF ASM fibre channel plus ethernet version

Dimensions	6.0" x 3.5" x 1.1"
Weight	<1.7 lbs
Power	26 W max; 5 VDC
Mounting	Six through holes in corners
Cooling	Convection/conduction
Environmental	MIL-STD-810F MIL-STD-461F



SecureOne MILS tactical cross domain solution with ethernet only

SecureOne MILS tactical cross domain solution with 1553 interface

Specifications subject to change without notice.



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