



Tresys XD Guardian™  
Low-Latency, Dual-Guard,  
Quad-Diode Exportable  
Cross Domain Appliance



# XD Guardian

## Cross Domain Solution

XD Guardian is a dual-guard, quad-diode cross domain appliance, or Information Exchange Gateway (IEG), that combines flexibility with low cost and high performance. The functional equivalent of Tresys' XD Bridge product, XD Guardian is the only exportable product that has been assessed against the U.S. government's most rigorous requirements for cross domain solutions.

XD Guardian supports both unidirectional and bidirectional transfer modes ensuring fast, effective, and secure data transfer between systems of differing security levels.

With its standard 1U rack-mountable configuration and minimal administration requirements, the product can be easily deployed in enterprise applications or remote or isolated environments.

Filters are available for both file transfer and streaming protocols such as full-motion video.

### International

XD Guardian is available internationally and ideal for:

- Government entities
- Critical infrastructure operators
- System integrators with international business

### High Performance

Features best-in-class performance with 1 Gb network interfaces delivering high throughput, low latency data transfer

### Cost Effective

- Lower initial and ongoing lifecycle costs than competing products
- Per-unit pricing not tied to capacity or throughput

### Rack-mountable Configuration

- Standard 1U 19" rack-mountable configuration
- Custom configurations also available

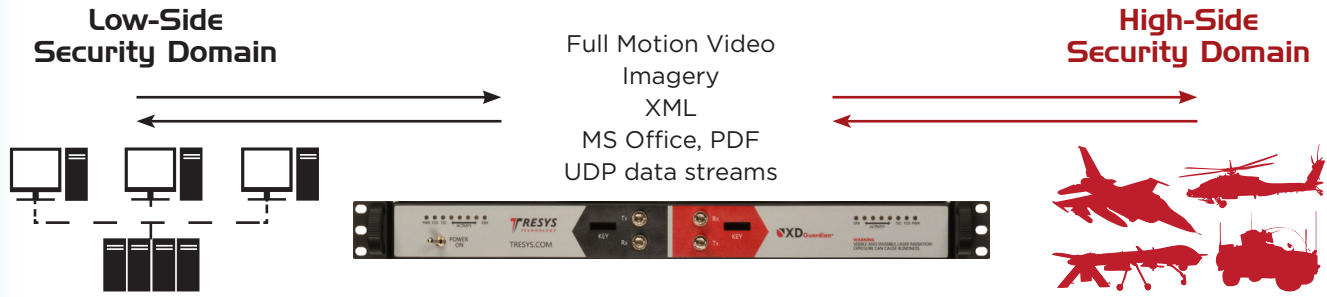
### Flexible Filtering

The product's design supports rapid development of data-filtering capabilities, including custom security policies and filters

### Meets Rigorous Standards

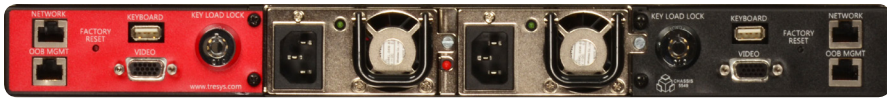
- XD Guardian™ has undergone rigorous testing to meet U.S. government standards
- SABI (Secret and Below Interoperability) certification is pending

# Secure Information Sharing



- ISR Sensor Data Streams
- Video
- Unclassified Data Feeds (NWS, FAA)
- Monitoring / Reporting Information
- Equipment Software Updates

- Off-board mission planning systems
- Fusion Workstations
- Coalition Info Sharing
- Maintenance Systems



Rear View

## XD Guardian Cross Domain Solution

### Physical Characteristics

#### Dimensions:

18-7/8" x 28" x 1.75"

#### Weight:

18.5 lbs

#### Power:

132W @ idle, 220W maximum

#### Cooling:

750 BTU max and 450 BTU typical

#### Power supply voltage:

120 VAC @ 60Hz, 115 VAC 400Hz,  
48 VDC

#### Ports (per side)

10 / 100 / 1000 Ethernet (data transfer)  
10 / 100 Ethernet (management)  
ST Fiber - 1 transmit, 1 receive  
DataKey (Active on boot only)  
USB 2.0 (keyboard)  
VGA (video)  
Tubular pin lock (key load lock)

### Protocols Supported

FTP, SFTP, FTP/S  
UDP, TCP  
Unicast, Multicast, Broadcast

### Throughput / Latency\*

700 Mbps / 3 ms (unfiltered UDP)  
Up to 24 streams of 1080p video  
*\*Data type, size, and filter dependent*

### Environmental

#### Operating temperature:

-10° to 50°C

#### Storage temperature:

-40° to 70°C

#### Altitude (unpressurized):

4,600m (15,000ft)

#### Humidity:

Maximum 90% non-condensing  
relative humidity

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