

XD GUARDIAN™



Cross Domain Solution

XD Guardian™ is a dual-guard, quad-diode cross domain appliance 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:

- Foreign governments
- Non-U.S. 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)

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

XD Guardian Cross Domain Solution



Rear View

Physical Characteristics

Dimensions:
18-7/8" x 26" x 1.75"

Weight:
18.5 lbs

Power:
70W @ idle, 170W maximum

Cooling:
580 BTU max and 240 BTU typical

Power supply voltage:
100-240VAC, 5.5-2.5A, 47-63Hz

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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