



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



XD Bridge

Cross Domain Solution

XD Bridge™ is a dual-guard, quad-diode appliance that combines flexibility with low cost and high performance. Ideal for a variety of cross domain and data diode applications, XD Bridge delivers fast, effective, and secure data transfer between systems of differing security levels.

Backed by strong security at each system layer, XD Bridge supports both unidirectional and bidirectional transfer modes.

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

Filters are available for file transfer with deep content inspection and sanitization and streaming protocols such as full-motion video.

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

System Integrator Friendly

XD Bridge is an excellent platform for system integrators to build application-specific cross-domain guards

Certified

- TSABI certified at PL-5 (ICD503 Assessment pending)
- SABI certification pending
- Listed on the UCDSMO Capabilities Portfolio (formerly UCDSMO Baseline)

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 Bridge

Cross Domain Solution

Physical Characteristics

Dimensions:

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

Weight:

20 lbs

Power:

70W @ idle, 170W maximum

Cooling:

580 BTU max and 240 BTU typical

Power supply voltage:

120 VAC

Ports (per side)

- 10 / 100 / 1000 Ethernet
- ST Fiber - 1 transmit, 1 receive
- USB 2.0 (boot only)
- VGA console, PS/2 keyboard

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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