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
- SABI certification
- Listed on the UCDSMO Capabilities Portfolio (formerly UCDSMO Baseline)

TRESYS™

Secure Information Sharing

Low-Side Security Domain

High-Side Security Domain

Full Motion Video
Imagery
XML
MS Office, PDF
UDP data streams

- 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 Bridge Cross Domain Solution

Rear View

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

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

TRESYS™