

XD Bridge ST

Cross Domain Solution for Streaming Fixed Format and Structured Data

CAPABILITIES

- TCP/UDP streaming of structured (XML schemas) and fixed format (USMTF, VMF DFDL schemas) data messages
- Software-enforced linear assured pipeline filtering
- Hardware-enforced diode-based processing isolation and separation

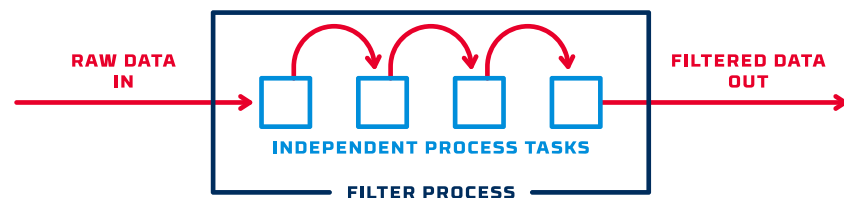
COMPLIANCE

- NCDSMO Baseline Certification Anticipated CY24
- NSA and Common Criteria hardware-enforced diode certification
- CLIP enforced STIG compliant configuration
- Raise-the-Bar (RTB) compliant

RTB-Ready Secure Data Transfer

XD Bridge ST is a flexible, high performance Cross Domain Solution providing assured transfer for streaming or posting fixed format and structured data.

XD Bridge ST provides data inspection and sanitization through a comprehensive linear pipeline filtering process using validated data schemas to ensure data is “clean” prior to transfer. Its linear assured pipeline enables a wide range of high-to-low and low-to-high use cases, with DFDL schema support for XML, USMTF, VMF, Syslog, and other data formats.



Flexible Configuration

Owl provides XD Bridge ST in a variety of form factors to meet the needs of data center and enterprise implementations, with bandwidth capabilities up to 10 Gbps.

Hardware-Enforced Domain Separation

Owl CDS solutions integrate data diodes to provide hardware-enforced one-way data transfer capabilities. Depending on the specific needs of the customer, Owl offers solutions that provide data transfers for one-way, two-way, or bidirectional use cases.

Hardware-enforcement is of particular importance for connections to domains with unverified or unknown security, also known as "High-Threat Networks" or HTNs.



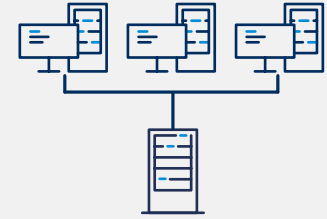
LOW SIDE SECURITY DOMAIN



XD Bridge ST



HIGH SIDE SECURITY DOMAIN



- ISR Sensor Data Streams
- Unclassified Data Feeds (NWS, FAA)
- Monitoring / Reporting Information
- Equipment Software Updates
- Off-board Mission Planning Systems
- Fusion Workstations
- Coalition Info Sharing
- Maintenance Systems

Available Form Factors

XD Bridge ST is available in data center and enterprise form factors, with support for bandwidth up to 10 Gbps. Technical specifications including operating conditions, power supply, storage conditions, mounting system, and network connectivity are available in the applicable form factor data sheets.

DATA CENTER - 1U
Up to 1 Gbps bandwidth



DATA CENTER - 2 x 2U
Up to 10 Gbps bandwidth



DATA CENTER - 1U
Up to 10 Gbps bandwidth



Owl Cyber Defense Solutions, LLC leads the world in data diode and cross domain network cybersecurity. With a constant focus on customers in the military, government, critical infrastructure, and commercial communities, Owl develops market-first, one-way data transfer products to meet a variety of operational needs, from entry level to enterprise.

For more information on Owl, or to schedule a demo, visit www.owlcyberdefense.com