

XD Guardian XML™

Exportable CDS for Streaming Fixed Format and Structured Data

Rigorously Tested. Globally Trusted

→ XD Guardian XML delivers the highest grade of cross domain security, proven through the most demanding evaluation and certification processes by the U.S. Government to the rest of the world, including:

- Coalition military operations
- Foreign governments and defense
- Commercial, industrial & utility orgs.

Key Capabilities

- Best-in-class Performance: Features high performance with 1GbE and 10GbE network interfaces delivering high throughput, low latency data transfer.
- Enhanced Security: RHEL 9 delivers advanced security features and compliance tools, for XD Guardian XML to meet strict government and industry system assurance standards.
- Adaptive Filtering: Designed to support rapid development of data-filtering capabilities including custom security policies and filters.



This product is EAR controlled and additional licenses may be required to export.

Secure, High-Assurance Data Transfer Across Security Boundaries

XD Guardian XML™ is a dual-node, quad-diode cross domain appliance that combines flexibility with low cost and high performance. The functional equivalent of Owl's XD Bridge ST™ product, XD Guardian XML is the only exportable (nonITAR-restricted) cross domain solution with hardware enforced domain separation that has been assessed against the U.S. government's most rigorous requirements for cross domain solutions and is listed on the U.S. Government Foreign Military Sales (FMS) CDS Baseline, ensuring the highest level of cross domain assurance.

High-Assurance Data Transfer with Advanced Security and Flexibility

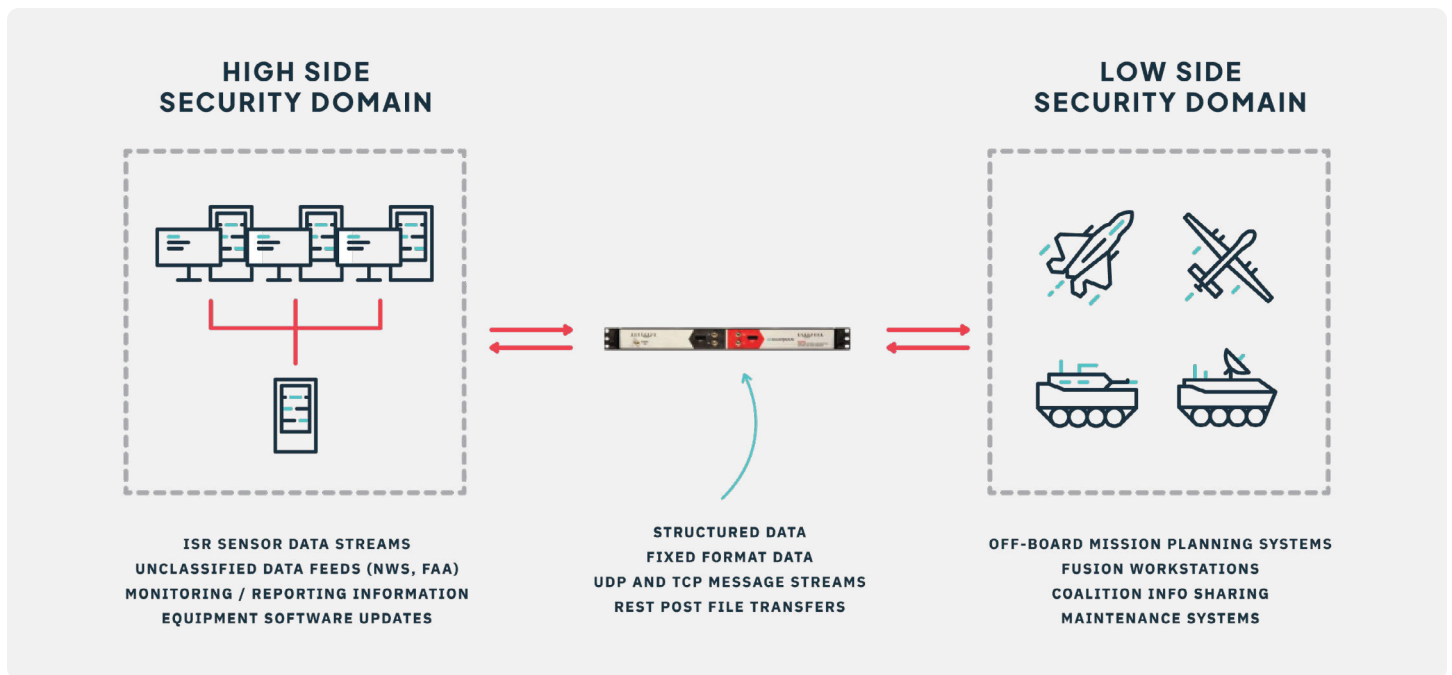
XD Guardian XML supports both hardware-enforced unidirectional and bidirectional transfer modes, ensuring fast, effective, and secure data transfer between systems of differing security levels. It enables TCP/UDP streaming of structured (XML schemas) and fixed format data messages, supporting mission-critical protocols for real-time data exchange.

Simple Setup & Secure Local Management

Its standard 1U rack-mountable configuration and minimal administration requirements enable easy deployment in enterprise, remote, or isolated environments. With a local console GUI, XD Guardian XML offers secure, intuitive device management without network exposure, streamlining configuration, troubleshooting, and compliance.

Multi-Pipeline Architecture for Tailored, Maximum Efficiency

Support for multiple pipelines/dataflows enables secure, simultaneous handling of different data types or classifications. This boosts efficiency, allows tailored security policies, and reduces the risk of cross-contamination or unauthorized transfers—all while simplifying management and monitoring for complex, high-assurance environments. Structured data filters are available for streaming protocols.



Available Form Factors

XD Guardian XML is available in a 1U rack-mountable form factor, with support for bandwidth up to 1 GbEs. Technical specifications including operating conditions, power supply, storage conditions, mounting system, and network connectivity are available in the applicable form factor data sheets.

Supported Protocols Include:

- UDP Unicast/Multicast/Broadcast, TCP
- Streaming, REST POST file transfer (not web services)



Owl Cyber Defense Solutions, LLC, headquartered in Columbia, MD, leads the industry in data diode and cross-domain network cybersecurity solutions for faster, safer and smarter decision making. We create solutions tailored for high-risk sectors including the military, government and critical infrastructure. Our advanced technologies enable secure, near-instantaneous collaboration, bridging network barriers to protect critical missions. With a focus on scalability and interoperability, Owl ensures that organizations can maintain secure, reliable, and compliant communication channels against evolving cyber threats.

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

