

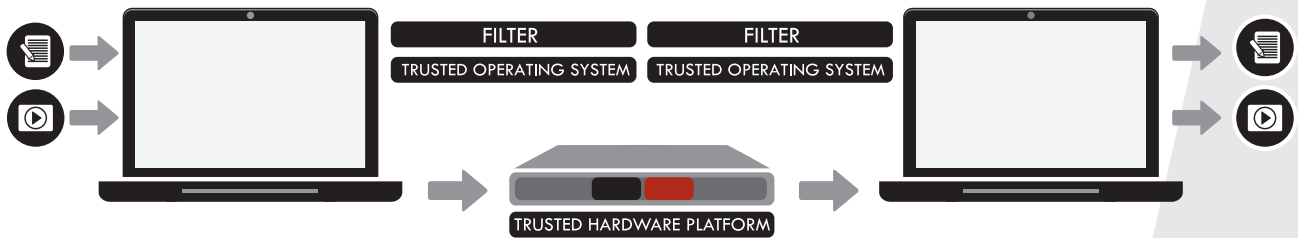
XD Guardian

EXPORTABLE SECURE INFORMATION SHARING

The Tresys XD Guardian is an exportable Cross Domain Solution (CDS) that offers an innovative and proven approach to solving Cross Domain (CD) information transfer requirements with unmatched flexibility, low cost, and high performance. The unique XD Guardian architecture enables a single platform to support a wide range of CDS transfer applications, including the rapid development of custom filtering components. The result is a CDS that directly address edge-of-network and program specific data transfer requirements, while incorporating elements of trusted computing.

Built from a certified, accredited, and proven architecture, XD Guardian layers strong security at each architectural component of the system. These layers are cryptographically bound, protected via TPM, and stateless. Filters are available for streaming protocols (e.g., full motion video) and file transfer. Various options are available for the filters to verify data. For example, the file transfer filter can perform:

- File type whitelist/blacklist
- Anti-virus scans
- XML schema validation
- Deep content inspection of complex file types (Office, PDF, images) via Sidecar



USE CASES



COMMERCIAL

XD Guardian enforces network separation with custom data filtering, ensuring that only the data formats and content you want to pass between networks is allowed through. All enterprise networks have a need for trustworthy separation of enclaves to protect against inadvertent or intentional release of protected data from one domain to another. XD Guardian provides a solid foundation for layered security in your network architecture.



CRITICAL INFRASTRUCTURE

XD Guardian meets high throughput, low latency requirements for Supervisory Control and Data Acquisition (SCADA) and Industrial Control Systems (ICS), providing guaranteed one-way transfer with format and content compliance validation. The XD Guardian architecture supports custom filtering requirements, building on the secure platform. This flexibility allows you to ensure that only appropriate control signals and data retrieval passes to and from your industrial infrastructure.



GOVERNMENT

XD Guardian makes the same capability used in the highest US Government security environments available in a solution that can be used by civilian and foreign governments. Layered security, with self-protection and customizable format validation and content filtering enables XD Guardian to meet special requirements for high-speed assured data transfer.

BENEFITS

Exportable Beyond Five-Eyes

The XD Guardian has been developed to meet the requirements to allow export from the United States.

High Performance

Faster transfer rates than most other CDS systems (700 mbps transfer rate and latency as low as 3 milliseconds)

Cost

Low initial and life cycle costs compared to other CDS available in the market today.

Flexible Filtering Capability

Flexible architecture enables rapid development of data filtering capabilities (custom security policy and filters) to meet unique requirements. You can develop custom filtering capabilities with or without support from Tresys.

SPECIFICATIONS

- Peak power consumption per side (red/black): 110W
- Typical power consumption per side (for real-world loads): 66W
- Hot swappable power supplies
- Supply/cooling solution approximately 220W peak and 132W typical (BTUs/hr = 750 max, 450 typical)
- Power supply voltage: 120 V AC
- Standard 1U rack mount. Multiple tactical form factors are possible
- 16 5/8 x 26 x 1 3/4 (without front fiber cables and front mounting brackets); 18 7/8 x 30 x 1 3/4 (with front fiber cables and front mounting brackets)

ABOUT TRESYS TECHNOLOGY

Tresys Technology delivers effective, secure, state-of-the-art solutions to continually changing cybersecurity threats. We have unparalleled expertise in high assurance architectures for enterprise and mobile computing, protecting access, transfer, and storage of our customer's information assets. Tresys clients include critical infrastructure, mobile solution providers, military, and civilian government agencies worldwide. Tresys' certified and accredited products protect information and ensure that the appropriate data gets to the correct location in a timely and secure manner.