Guardian V2

Hardware-Enforced CDS Platform

Key Features

- → 1U Rack-Mounted Platform
- → 10 GbE Network Interfaces
- → Dedicated OOB Data Management
- → Stateless Operation
- → Token-based Load/Updates
- → Unidirectional or Bidirectional Transfer
- → Data diode-based domain separation and protocol break
- → Up to 256 GB RAM

Guardian V2 is a high-assurance, exportable cross domain solution hardware platform that combines flexibility with low cost and high performance up to 10Gbps. Guardian V2 supports both unidirectional and bidirectional transfer modes ensuring fast, effective, and secure data transfer between systems of differing security levels. With its standard 1U rack-mountable configuration and minimal administration requirements, the product can be easily deployed in enterprise applications or remote or isolated environments.

Security by Hardware Design

As a hardware-enforced secure computing platform, Guardian V2 incorporates security elements at each system layer. Its primary purpose is to support Owl IXD cross domain trusted operating system and trusted software components for inspection and sanitization of transferred content. Guardian V2 provides a bidirectional independent up to 10 Gbps data path as well as an out-of-band management interface.

High Performance

Guardian V2 features best-in-class performance with 10 GbE network interface delivering high bandwidth, low latency data transfer, handling both files and streaming protocols. Guardian V2 is a powerful high-capacity appliance that supports different filtering pipelines for inspection and sanitization of structured or unstructured data.

XD Guardian V2

Technical Specifications

Physical Characteristics
- Dimensions: 18 ⅞" × 19" × 1.75"
- Weight: 20 lbs
- Power: 110W/180W
- BTU/HR: 376/615
- Power supply voltage: 120 VAC
- Amps: 0.9A/1.5A

I/O Ports
- Front (per side)
- 1x 10G Fiber (Data)
- 1x DataKey (Boot only)

Rear (per side)
- 2xSFP 10G NICs copper or fiber (Data/MGMT)
- 1xRJ45 10/100/1000 copper NIC (OOB MGMT/DCO)
- 3x USB 3.0 (Keyboard/Mouse)
- 1x HDMI (Display)

Environmental Specs
- Operating temp range: -10° to 50°C
- Non-operating temp: -40° to 70°C
- Operating humidity: 10 to 90% (non-condensing)
- Non-operating humidity: 10 to 95% (non-condensing)

Security
- TPM 2.0
- UEFI Secure Boot
- Intel Boot Guard
- RHEL w/SELinux Enforcing Mode

OWL Cyber Defense™

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.**

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