

Fusion V5

Hardware-enforced Cross Domain Platform



Owl Cross Domain Solutions are offered on a range of hardware appliances to meet a variety of mission and program requirements. Fusion is Owl's dual-guard, quad-diode appliance designed for use in enterprise data centers or remote isolated environments. It is a standard 19" 1U rack-mountable device with the flexibility to support either one-way (OWT), two-way, or bi-directional communication to suit specific operational requirements. Ideal for a variety of cross domain and data diode applications, Fusion provides high bandwidth, low latency secure data transfer between systems of differing security levels, "need to know" (N2K) and disparate networks.

COST EFFECTIVE

- Lower initial and ongoing lifecycle costs than competing products, with 95% of customers installing it themselves.
- Per-unit pricing not tied to capacity or throughput

RTB READY

Designed to meet current RTB requirements for hardware platforms, Fusion, hosting Owl's XD Bridge ST cross domain solution, is undergoing Phase II LBSA certification testing.

Security By Hardware Design

As a hardware-enforced secure computing platform, Fusion incorporates security elements at each system layer. Its primary purpose is to support Owl XD Bridge ST cross domain trusted operating system and trusted software components for inspection and sanitization of transferred content as is required of currently accredited U.S. government cross domain solutions. Fusion provides independent up to 10 Gbps data path with out-of-band management/DCO interface.

High Performance

Fusion features best-in-class performance with 10 GbE network interface delivering high bandwidth, low latency data transfer, handling streaming protocols such as fixed format messaging and full-motion video. Fusion is a powerful high-capacity appliance that supports different filtering pipelines and deep content inspection orchestration of filter parsing engines for inspection and sanitization of complex and structured data.



Technical Specifications

Representative of current design – subject to change during final testing.

PHYSICAL CHARACTERISTICS

- Dimensions: 18 7/8" × 26" × 1.75"
- Weight: 20 lbs

I/O PORTS

- 2xSFP 1G/10G NICs copper or fiber (Data/MGMT)
- 1xRJ45 10/100/1000 copper NIC (MGMT/DCO)
- 2x USB 3.0 (keyboard/mouse)
- 1x DataKey
- VGA

PROCESSOR AND MEMORY

- 12 Core Xeon processor
- Up to 128G RAM (32G minimum)
- 1T Removable hard drive as required for RTB compliance (RAID option available at extra cost)

THE ENVIRONMENTAL SPECS (SUBJECT TO CHANGE)

- Operating temp range: 0-60C
- Non-operating temp: -40-85C
- Operating humidity: 10-85% (non-condensing)
- Non-operating humidity: 10-95% (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 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



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D096 | V8 | 09-22-23