

Fusion V3

Hardware-enforced Cross Domain Platform



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 cross domain solution, is undergoing Phase II LBSA certification testing.

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.

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 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 1Gbps data path.

High Performance

Fusion features best-in-class performance with 1GbE, 1Gbps network interface delivering high bandwidth, low latency data transfer, handling streaming protocols such as fixed format and structured data messaging. 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.

DIMENSIONS

- Dimensions: 18.875" x 26" x 1.75"

WEIGHT

- 20 lbs

POWER

- 70W @ idle, 170W maximum

COOLING

- 580 BTU max and 240 BTU typical

POWER SUPPLY VOLTAGE

- 120 VAC

PORTS (PER SIDE)

- 10/100/1000 Ethernet
- 2x separate 1GbE RJ-45 NIC ports for transmit and receive
- USB 2.0 (boot only)
- VGA console, PS/2 keyboard

THROUGHPUT / LATENCY*

- 700 Mbps/3 ms (unfiltered UDP)
- Up to 24 streams of 1080p video

**Data type, size and filter dependent*

OPERATING TEMPERATURE

- -10° to 50°C

STORAGE TEMPERATURE

- -40° to 70°C

ALTITUDE (UNPRESSURIZED)

- 4,600 m. (15,000 ft.)

HUMIDITY

- Maximum 90% non-condensing relative humidity

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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D098 | V4 | 03-03-23