

# OCDS-MPP

## Multi-Purpose Cross Domain Solution



### Hardware-Enforced, One-Way Transfer Data Diodes

In defense, intelligence, and other sensitive government operations, data streaming and file transfer dataflows are crucial components of any successful mission or organization. Whether dataflows are for the collection of sensor output and information reports, or the dissemination of command and control, alerts, and tips, the dataflow must be protected. MPP solutions are based on Owl's proven and accredited streaming and file transfer capabilities.

### Absolute Protection Across Classification Environments

The Owl Cyber Defense Solution - Multi-Protocol Platform (OCDS-MPP) secures and protects file transfers and streaming between networks. This absolute protection is especially critical when dataflows are between missions and organizations working in different classifications, and high-threat environments, where unauthorized access or content is prohibited.

### Robust Protection for Dataflows

The OCDS-MPP is built upon Owl's MPP CDS software platform and Owl's reduced footprint dual-node OCDS-1000 1U hardware platform to support dataflows up to 1 Gbps. Owl's MPP CDS software platform is based on a STIG compliant, CLIP enforced, EAL4+ Red Hat Enterprise Linux (RHEL) foundation. It's capable of scanning and file validation filtering to ensure only the authorized content is transferred by the dataflows. The dual node platform includes two processing environments separated by Owl's patented hardware-enforced one-way transfer diodes. These combined technologies provide dataflow protection at the highest threat environment connections.

#### SUPPORTS MULTIPLE CONTENT TYPES

- Sensor data
- Syslog messages
- SNMP traps
- Fixed format messages
- Text files
- + Over 60 other file types

- UDP-based data streaming and TCP-based file transfers or data streams
- Owl Remote File Transfer Service (RFTS) for enhanced security and performance connectivity
- Up to four dataflow types: Filtered files (RFTS access to TCP sockets), Non-filtered TCP streams, UDP unicast streams, and UDP multicast streams
- TAA certified hardware



## Warranty & Support

- Ninety (90) day hardware warranty with technical services (hotline service, software support and updates) and documentation (Installation Guide and Administration Manual)
- Annual Technical Services Option (ATSO)

## Technical Specifications

### OPERATING CONDITIONS

- 32°F to +110°F
- 0°C to +43.33°C
- 5% to 90% humidity non-condensing

### POWER SUPPLY

- Input: 75-230 VAC,
- Estimated Normal Operating Usage: 10-16W/ side
- Max. 20W per side

### STORAGE

- -40°F to 158°F
- -40°C to 70°C
- 5% to 90% humidity non-condensing

### VIBRATION

- Vibration: (IEC 60255-21-1)
- Vibration 1g (10-500Hz) (Operational)
- Vibration 2g (10-500Hz) (Operational and Non-Operational)

### CHASSIS

- Black anodized aluminum with locking top

### MOUNTING SYSTEM

- 1U standard rackmount

### NETWORK CONNECTIVITY

- Separate Ethernet connections for network traffic and independent configurations
- Physical connectors: 8P8C (RJ45)
- Supports max bandwidth rates of: 26 Mbps, 52 Mbps, 104 Mbps, 155 Mbps, 300 Mbps, 600 Mbps, 1000 Mbps (1 Gbps)

### COOLING SYSTEM

- Conductive cooling through enclosure side walls with High Life Expectancy/Low Noise Fans

### APPROVALS

- FCC Class A compliance
  - + CE Mark
  - + CB Certificate: 72161659
  - + UL 60950-1:2007 R10.14
  - + CAN/CSA-C22.2 NO.60950-1-07+A1:2011+A2:2014
- International Common Criteria Certification - EAL Certified



### ISO

- Manufactured using ISO 9001:2015 certified quality program

### CHASSIS SIZE & UNIT WEIGHT

- 16.5" W x 1.75" H x 13" D
- 41.91 cm x 4.5 cm x 33 cm
- 7.92 lbs./3.6 kg.

### MEAN TIME BETWEEN FAILURE (MTBF)

- 11+ years

### LOCAL ADMINISTRATION

- VGA connector for monitor
- USB connectors for keyboard and mouse

## 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](http://www.owlcyberdefense.com)



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