OWL Cyber Defense

Owl Commercial Products
Selection Guide

Hardware-Enforced Data Diode Cybersecurity Products

Owl Perimeter Defense Solutions (OPDS) are self contained, come in single or two devices and contain both the send and receive diodes. All products (excluding DiOTa) support the transfer of multiple data flows and protocols simultaneously. No flanking servers are required. Certain products support Owl's library of optional add-on software modules (files, UDP, TCP, e-mail, SNMP) plus OPC, Modbus, and historians. Browse our suite of products to select the one that best fits your cybersecurity needs.

WHY CUSTOMERS CHOOSE OPDS PRODUCTS:

- Shipped preconfigured and ready to run in a few hours or less
- Single box, no flanking servers are needed (*unlike competing products that require TX/RX modules plus servers*)
- Scalable pricing and capacity

### TO SELECT THE PROPER SOLUTION FOR YOUR SITUATION:

- Determine your current throughput requirements
- Determine the appropriate form factor (vertical DIN rail or horizontal 1U)
- Determine if extreme conditions may exist (dust, smoke, temperature)
- Determine solution needs: single-purpose or multi-purpose, low to high, one-way or two-way
- Determine required protocols

OPDS Products:

OPDS-1000

ALL-IN-ONE, 1U RACKMOUNT CYBER SECURITY

OPDS-1000 is Owl's next generation all-in-one, 1U rackmount cyber security product. It offers the fastest bandwidth speed (up to 1,000 Mbps) available in a 1U device, it has separate data transfer and admin ports for improved security, fast CPUs, and uses solid state drives.

OPDS-1000
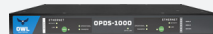
- Comes with OPDS-Talon core software

FORM FACTOR
- Standard 1U 19" Horizontal Rackmount

CONFIGURATIONS

OPDS-1000 Variable License
- 104 Mbps, 155 Mbps, 310 Mbps, 630 Mbps, & 1000 Mbps

RECOMMENDED USE
- Industrial, Commercial or IT Environments
- Higher Bandwidth Requirements
- Flexibility to Expand Bandwidth Capacity
- Historian/ Database Replication

EPDS

ENTERPRISE SERVER-BASED SOLUTIONS

Enterprise Perimeter Defense Solutions (EPDS) is designed to meet the highest bandwidth requirements. It comes installed on two off-the-shelf Dell servers (a send server and a receive server) and uses Owl's v7 communication cards.

EPDS

- Comes with OPDS-Talon core software

FORM FACTOR
- 2U 19" Horizontal Rackmount

CONFIGURATIONS

Variable License
- 155 Mbps, 1.25/2.5 Gbps, and 10 Gbps

RECOMMENDED USE
- Industrial, Commercial or IT Environments
- High to Extreme Bandwidth Requirements
- Solutions available at three tiers – Standard, Mid-Range, and High Capacity

SSUS

SOFTWARE - UPDATE SOLUTIONS

Secure Software Update Solution (SSUS) is a specialized hardware and software solution designed to scan and transfer software updates and other executables or files into a secured network. It supports the Department of Homeland Security's (DHS) 7 strategies for being defense-in-depth by securely transferring software patches and updates into the control center without the risk of using potentially contaminated laptops or portable media. The core data diode provides absolute network segmentation, while the software uses a hash code to verify authenticity.

SSUS

FORM FACTOR
- 1U 19" Horizontal Rackmount
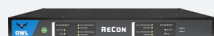
CONFIGURATIONS
- Low-to-High Transfer into Secure Networks

RECOMMENDED USE
- Industrial, Commercial or IT Environments
- Transfer Software Updates or other Executables
- AV Scan and Multiple File Checks
- Historian/ Database Replication

RECON

BI-DIRECTIONAL SOLUTIONS

ReCon is a data diode that provides secure roundtrip, bi-directional communication. The ReCon solution enables customers to reduce their attack surface area while providing higher security than traditional firewalls in use cases where bi-directional communication is necessary. The solution complies with the Department of Homeland Security's (DHS) 7 strategies for being defense-in-depth because it uses separate data diodes on restricted paths to achieve the two-way communication.

RECON

FORM FACTOR
- 1U 19" Horizontal Rackmount

CONFIGURATIONS
- Secured Single-Channel Bi-directional

RECOMMENDED USE
- Industrial, Commercial or IT Environments
- Remote Command & Control
- Remote Help Desk/Diagnostics
- Historian/ Database Replication

SERVICE & SUPPORT

Customers under a current services agreement are provided 24x7x365 access to telephone and electronic messaging systems for standard Software and Hardware Technical Services for all Owl products

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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D018 | V10 | 08-11-22