Owl Talon™
MK100 Data Diode

Secure, Flexible, Easy One–Way Transfers

Key Features

→ Secure, hardware-enforced, one-way data transfers

→ Transfer multiple, simultaneous data types & protocols on a single device

→ Easy-to-use, web-based user interface

→ Long-lasting, set-and-forget reliability

→ Compact 1U hardware form factor

→ Up to 1 Gbps max throughput

→ Advanced security features including SELinux enforcement, STIG-compliant OS, BIOS password, and disk encryption

Supported Protocols

→ TCP

→ UDP (unicast, mulitcast, broadcast)

→ Virtual Screen View

→ NTP

→ Syslog

→ SMTP (email)

→ SNMP Traps

→ File Transfer (RFTS)

→ OPC (DA/A&E)

Owl Talon: The Data Diode, Reinvented.

Building on a quarter century of one-way networking expertise and customer feedback, Owl Talon™ is the latest, revolutionized iteration of Owl's award-winning, NSA-approved data diode platform, designed for fast and easy configuration, unmatched interoperability, and secure, reliable operation.

Owl Talon MK100

The Owl Talon **MK100 Data Diode** is a highly integrated, all-in-one, 19" 1U rack-mountable appliance that leverages the OnLogic® MK100 hardware platform, Owl Talon software platform, and Owl Talon One™ data diode card to provide secure, high speed one-way data transfers at up to 1 Gbps.

The MK100 supports all current protocols and data types available in the Owl Talon software platform. To save you additional time and SWaP, the MK100 can support multiple, simultaneous data flows and protocols on one device. With an extensible foundation to support a variety of OT and IT protocols and applications, the Owl Talon MK100 enables a broad range of one-way data transfer use cases.

Unmatched Ease of Use

Featuring a modern, web-based user interface, the Owl Talon software platform is extremely easy to use. In just minutes, you can configure your data flows from source to destination, getting you up and running faster than ever before.

Owl Talon User Interface

Owl Talon One™ Data Diode Card

The Owl Talon One (OTO) data diode card is a protocol filtering data diode designed on a single PCIe card that transfers data one-way at up to 1 Gbps. By leveraging an FPGA-based architecture and System-on-Module (SOM) with an embedded processor, this single card can perform the work typically done by separate send and receive data diode cards with the same security level and hardware-enforced separation.

Technical Specifications

Case

19" 1U Rackmount Chassis with 4-wire PWM

Processor

1 x Intel Xeon

Memory (RAM)

1 x 8GB DDR5 UDIMM

Primary Storage

1x 128GB SATA SSD

Power Supply

1 x 300W Flex-ATX Power Supply – US Power Cord
Input: 100~240 VAC

Estimated Normal operating usage: 120 Watts

Mounting

Rackmount ears + half-depth rackmount Sliding Rail Kit

Interfaces

Front:
2 USB (3.0)

Rear:
1 DB15 (VGA)
2 RJ45 (1GbE), 1 dedicated IPMI
2 Type A (USB3.2 Gen1)
1 UID button, 1 UID LED

OTO Data Diode Card:
2 RJ45 (1GbE)

Dimensions

Chassis Size:
With Mounting Ears:

482.6mm W x 257.1mm D x 44.4mm H

Without Mounting Ears:

431.8mm W x 257.1mm D x 44.4mm H

Unit Weight:
4.35 kg / 9.59 lbs.

Operating Conditions

10 - 35 C, 20% ~ 90% non operation humidity (non condensing

Approvals/Certifications

Pending regulatory certification exercises

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**