Owl Talon™

R660 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
- → 2U hardware form factor
- → Up to 10 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.

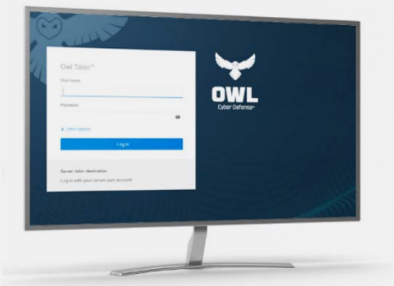
Owl Talon R660

The Owl Talon **R660 Data Diode** is an integrated, 19" 2U rack-mountable appliance that leverages the Dell R660 hardware platform, Owl Talon software platform, and Owl Version 7 data diode cards to provide secure, high speed one-way data transfers at up to 10 Gbps.

The Owl Talon R660 supports all current protocols and data types available in the Owl Talon software platform. To save you additional time and SWaP, the Owl Talon R660 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 R660 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.



Talon 3 User Interface

Owl Version 7 Data Diode Cards

Owl V7 Data Diode Card Kits are comprised of two purpose-built network interface cards (one send, one receive) connected via a fiber optic cable. Each individual card is installed on a separate host server in a PCIe slot. Owl V7 cards facilitate high bandwidth, low latency one-way transfer at up to 10 Gbps.

Technical Specifications

(Per server x2)

Case

19” 1U Rackmount Chassis

Processor

1 x Intel Xeon E-2434

Memory (RAM)

32 DDR5 DIMM slots, supports RDIMM 8 TB max, speeds up to 4800 MT/s

Primary Storage Controllers(RAID)

PERC H965i, PERC H755, PERC H755N, PERC H355i

Power Supply

1400W Titanium 277 VAC or 336 HVDC, hot swap with full redundant

Mounting

Rackmount ears + half-depth rackmount Sliding Rail Kit

Interfaces

Front:
1 x iDRAC Direct (Micro-AB USB) port
1 x USB 2.0
1 x VGA

Rear:
1 x Dedicated iDRAC Ethernet port
1 x USB 2.0
1 x USB 3.0
1 x Serial (optional)
1 x VGA (optional for Direct Liquid Cooling configuration)

V7 Data Diode Card:
1 SFP+ OM3 Multimode LC/LC (10 Gbps)

Dimensions

Chassis Size:
482 mm W x 822.88 mm D x 42.8 mm H

18.97 in W x 32.39 in D x 1.68 in H

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**