Owl Talon™

HX600 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 DIN-rail compatible 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, multicast, broadcast)
- → NTP
- → Syslog
- → SMTP (email)
- → SNMP Traps
- → File Transfer
- → OPC DA/A&E
- → AVEVA PI Transfer
- → Remote Desktop
- → Remote Screen View

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.

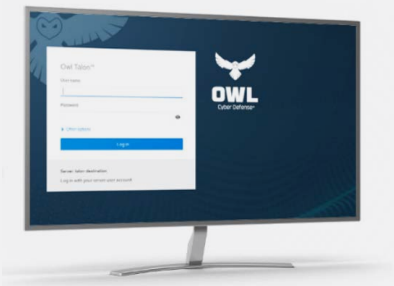
Owl Talon HX600

The Owl Talon **HX600 Data Diode** is a highly integrated, all-in-one, DIN-Rail mountable appliance that leverages the OnLogic® HX600 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.

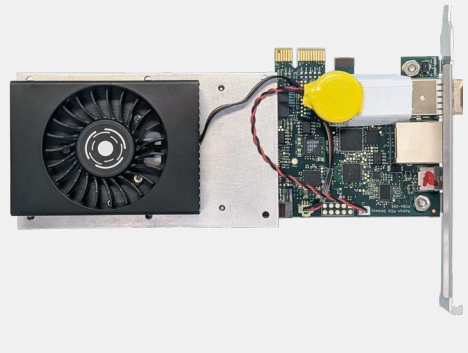
The HX600 supports all current protocols and data types in Owl Talon software, which is offered in three convenient tiers, allowing you to choose the option that best fits your organization's needs. To save you additional time and SWaP, the HX600 can support multiple, simultaneous data flows and protocols on one device. With an extensible foundation to support a variety of OT and IT protocols and applications, the Owl Talon HX600 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 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

Fanless compact aluminum industrial PC

Processor

1 x Intel Core i3-10100TE

Memory (RAM)

1 x 8GB DDR5 UDIMM

Primary Storage

1 x 128GB SATA SSD

Power Supply

1 x 220W Power Supply w/ 4-pin Connector, US Power Cord
Input: 100~240 VAC

Estimated Normal operating usage: 120 Watts

Mounting

DIN Rail Mounting Kit

Interfaces

Front:
4 USB A (USB3.2 Gen 2)
1 Power Button
1 Sim Card
1 Audio Jack: Line-out, Mic-In

Rear:
2 USB (USB3.2 Gen 2)
2 USB (3.2 Gen 2)
2 Gb LAN Ports
3 Display Ports
112 ~ 24 V, 4-Pin DC Jack

OTO Data Diode Card:
2 RJ45 (1GbE)

Dimensions

Chassis Size:

303 x 65 x 210 mm / 11.93” x 2.56” x 8.27"

Unit Weight:
4.35 kg / 9.59 lbs.

Operating Conditions

0 – 50°C, 90% Operating maximum humidity (non condensing

Approvals/Certifications

Pending regulatory certification

OWL Cyber Defense™

Owl Cyber Defense Solutions, LLC, headquartered in Columbia, MD, leads the industry in data diode and cross-domain network cybersecurity solutions for faster, safer and smarter decision making. We create solutions tailored for high-risk sectors including the military, government and critical infrastructure. Our advanced technologies enable secure, near-instantaneous collaboration, bridging network barriers to protect critical missions. With a focus on scalability and interoperability, Owl ensures that organizations can maintain secure, reliable, and compliant communication channels against evolving cyber threats.

For more information on Owl, or to schedule a demo, visit **www.owlcyberdefense.com**