OWL CYBER DEFENSE

RAISE THE BAR
READY

FLYING ABOVE THE BAR

Owl Scowt™ Platform Guide

Mobile and compact tactical cross domain and
diode solutions for data streaming and file transfer

Secure Mission-Critical Information on the Tactical Edge

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 data, or the dissemination of command and control, alerts, the dataflow must be protected.

OWL SCOWT PRODUCTS ARE DESIGNED TO BE A RUGGED AND MOBILE SOLUTION FOR TACTICAL MISSIONS

Product Highlights:
- Small SWaP
- Robust security architecture
- Raise the Bar ready

Absolute Protection Across Classification Environments

Owl's Scowt hardware platform supports streaming data and file transfer between networks in contested and harsh environments. This absolute protection is especially critical when dataflows are between missions and organizations working in different classifications and high-threat environments.

Rugged and Robust Protection for Mission Dataflows

Our mobile/tactical Scowt platforms are Raise-the-Bar (RTB) Ready ruggedized hardware that host Owl's XD Bridge ST CDS and MPP diode software. The mobile/tactical product family comes in two configurations: Scowt, frame or shelf mounted, and Scowt-Compact, frame or shelf mounted. These configurations are based on reduced size, weight, and power (SWaP) dual-node platforms that support dataflows from 104 Mbps to 1 Gbps. These dual-node platforms include two processing environments separated by an Owl-patented hardware-enforced, one-way transfer diode. Owl Scowt-Compact is based on the Owl 010 diode and is Owl's smallest footprint mobile/tactical platform. These combined technologies provide dataflow protection at the highest threat environment connections.

WARRANTY AND MAINTENANCE

Owl offers 1YR, 3YR, or 5YR Warranty and Maintenance (W&M) coverage and support. Hardware is covered under Warranty and Software covered under Maintenance. The W&M coverage starts one day after product shipment from Owl.

CONFIGURATION	SCOWT	SCOWT-COMPACT
CHASIS SIZE	8.25"W × 12.345"D × 1.75"H 20.955cm × 31.356cm × 4.445cm	6.0"W × 1.66"H × 8.40"L 15.24cm × 4.22cm × 21.33cm
WEIGHT	8.669 lbs	3 lbs
MOUNTING	Cold plate mount	Cold plate mount
COOLING SYSTEM	Cold plate must maintain 40ºC or below	Cold plate must maintain 40ºC or below
OWL CARD	Owl v7 card set	Owl 010 card set

PHYSICAL AND ENVIRONMENTAL ATTRIBUTES INCLUDE:

	SCOWT	SCOWT-COMPACT
PHYSICAL ATTRIBUTES	**Connectors:** MIL-DTL, caliber environmental, mechanical, and electrical performance, Series quick-disconnect (push-pull)	**Connectors:** Mission critical MIL DTL connections
	Local administration: VGA (via Series connector), 3x USB (via Series connector)	**Local administration:** VGA, 2 USB
	Security: Hardware enforced data diode Trusted Platform Module (TPM) 2.0	**Security:** Hardware enforced data diode Trusted Platform Module (TPM) 2.0
	Network Connectivity: Supports 10/100/1000, Ethernet connections, Separate connections for data and administration, Physical Connectors (2) 1GbE copper, (2) 1GbE fiber, Multimode Data and Admin Fiber	**Network Connectivity:** • Separate Ethernet connections for network traffic and independent configurations • Supports 10BASE-T, 100BASE-TX, 1000BASE-T
ENVIRONMENTAL ATTRIBUTES	**Operating Temperature & Altitude:** • 40ºC to 55ºC / -40ºF to 131ºF • 5–95% non-condensing humidity • 4,600m (15,000ft)	**Operating Temperature & Altitude:** • *To be determined* • 5% to 90% humidity non-condensing • Cold plate must maintain 40 degrees Celsius or below
	Power: • 9-36 VDC (GPU 15V-36 VDC) • 250W DC supply	**Power:** • Input: 9-36V DC • Max. 40W
	Vibration: • Vibration (IEC 60255-21-1), (MIL-STD810G) • Vibration 2g (10-500Hz) (operational and non-operational)	**Vibration:** • Vibration: (IEC 60255-21-1) • Vibration 2g (10-500Hz) (operational and non-operational)
	Compliance: MIL STD 704, 461, 810	**Compliance:** • FCC Class A compliance (Expected Q2 2020) • CE Mark CB certificate: report 31780392.001 EN 60950-1:2006 +A11:2009 A1:2009 A1:2010 + A12:2011 + A2:2013 UL 60950-1:2007 R10.14 CAN/CSA-C22.2 NO.60950-1-07+A1:2011+A2:2014 (Expected Q2 2020) • International Common Criteria certification - EAL certified • MIL STD 704, 461, 810 (Expected Q2 2020) • ISO • Manufactured using ISO9001:2015 certified quality program

Call **203-894-9342** or email **Info@owlcyberdefense.com**

Our team is always available to meet your cybersecurity needs.

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. Owl cybersecurity specialists are intimately familiar with a wide variety of industry pain points, technologies, and best practices, and have helped hundreds of organizations around the world secure their networks with Owl's patented hardware-enforced, un-hackable data diode solutions.

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

@OwlCyberDefense   203-894-9342 | Info@owlcyberdefense.com