

Owl Scowt-Compact™

Data Streaming and File Transfer Solution for Mobile Tactical Missions



Flexible. Rugged. Reliable.

The Owl Cyber Defense Solutions (Owl) Scowt-Compact is a ruggedized solution for airborne, ground, and naval assets, as well as forward-operating bases and remote command stations that need to transmit, stream, and receive data at different security levels on protected networks. In Defense, Intelligence, and other sensitive Government operations, data streaming and file transfer dataflows are crucial components of any successful mission or organization. Whether the dataflows are for the collection of sensor output and information reports, or the dissemination of command and control, alerts, and tips - the dataflows must be protected.

CAPABILITIES AND FUNCTIONALITIES

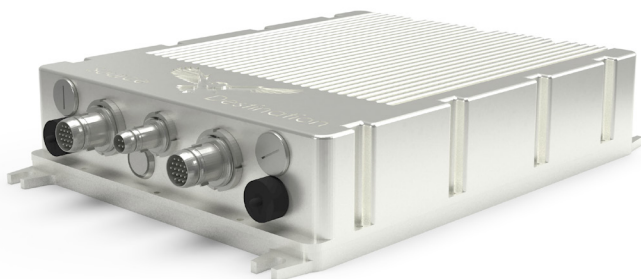
- Compatible with 4 dataflow types: Filtered files (Remote File Transfer Service (RFTS) access to TCP sockets), Non-filtered TCP streams, UDP unicast streams, and UDP multicast streams
- Common content types: Sensor data, Syslog messages, SNMP traps, Fixed format messages, Text files, Office documents
- Up to 104 Mbps speed
- Owl Remote File Transfer Service (RFTS) for enhanced security and performance connectivity

Single Device, Multiple Missions

The Scowt-Compact can be tailored to meet the dataflow needs of a range of cross domain missions. The device's metal housing and MIL 804 connectors allows for ruggedization and ease of use, whether it be a small forward- operating base with a need to transmit logistics data or an MRAP with sensors that collects RF transmission data to send to a command center for analysis. Data remains secure as it is sent from systems and sensors that are collecting and transmitting different types of information such as video streams, position data, vehicle states, and even dismounted soldier health.

Core Functionalities

Owl's initial market offering of the Owl Scowt-Compact will be the Tactical Cross Domain Solution-Multi-Protocol Platform-010 (TCDS-MPP-010). The TCDS-MPP-010 CDS integrates Owl's Multi-Protocol Platform (MPP) CDS software with Scowt-Compact as an all-in-one solution that supports up to 104 Mbps hardware-enforced one-way transfers for data streams and files. The MPP software platform is based on a STIG compliant, CLIP enforced, EAL4+ Red Hat Enterprise Linux (RHEL) foundation. It provides scanning and file validation filtering to ensure only authorized content is transferred by the dataflows. The Scowt-Compact's dual-node platform includes two processing environments, separated by Owl's patented hardware-enforced one-way transfer 010-diode. The combined technologies provide dataflow protection for even the highest threat environment connections.



Key Features

- Ruggedized for harsh environments
- Compactness allows for confined spaces in mobile assets
- Low power requirement minimizes power draw



Technical Specifications

ISO

- Manufactured using ISO9001:2015 certified quality program

CHASSIS SIZE

- 6.0" W x 1.66" H x 8.40 L
- 15.24cm x 4.22 cm x 21.33 cm

UNIT WEIGHT

- 2 lbs, 7 oz / 1.1 kg.

NETWORK CONNECTIVITY

- Separate Ethernet connections for network traffic and independent configurations
- Supports 10BASE-T, 100BASE-TX, 1000BASE-T

OPERATING CONDITIONS

- Exact temperature ranges to be determined*
- 5% to 90% humidity non-condensing
- Cold plate must maintain 50 degrees Celsius or below

POWER SUPPLY

- Input: 9-36V DC
- Max. 40W per side

CONNECTORS

- Mission critical MIL DTL connections

LOCAL ADMINISTRATION

- HDMI 1 USB type B

Owl Scout-Compact has unique connector cables. Please consult an Owl team member for details.

VIBRATION

- Vibration: (IEC 60255-21-1)
- Vibration 2g (10-500Hz) (operational and non-operational)

MOUNTING SYSTEM

- Cold plate mount

SHOCK

- Shock: (IEC 60255-21-2)
- Shock 10g 11ms (operational)
- Shock 30g 11ms (operational and non-operational)

CERTIFICATIONS & APPROVALS*

- FCC Class A compliance
- 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
- International Common Criteria certification - EAL certified
- MIL STD R75, 704, 461, 810



**Undergoing Testing*

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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