

SNTS

Secure Network Transfer System

Data Transfer Application

KEY FEATURES

- Single System-Multiple Application Support
- Real-Time Information Transfer
- Upguard / Downguard Operations
- Streaming Video & Images
- Efficient Big Data Access & Transfer
- Secure Printing

BENEFITS

- Concurrent Support for TCP, UDP & File Transfer
- Multi-Thread Support for TCP Streams
- Log File Management System
- Broad OS Support

Secure Network Transfer System

Secure Network Packet Transfer System (SNTS) integrates several Owl user-application products to deliver the concurrent one-way transfer of files, streaming video, SNMP, and Syslog messages through a single installation of data diode Communication Cards and related software drivers. Optimized for maximum data type variety, Owl SNTS -- US Patent No. 8,139,581, "Concurrent Data Transfer Involving Two or More Transport Protocols Over a Single One-Way Data Link," -- includes IP routing and IP filtering. It also includes Remote File Transfer Service (RFTS) capability.

The Owl Solution

SNTS supports concurrent transfer of the following data types: UDP, TCP, and file transfer. Unlike other solutions that are intentionally restricted to a single data type or a single data flow, SNTS provides a variety of transfers by allowing simultaneous and continuous data flows of UDP (multicast, broadcast and uni-cast), TCP, and file transfers. For file transfers, SNTS leverages the Owl RFTS application.

All of the Owl Data Transfer Applications leverage Owl's exclusive, Common Criteria EAL certified technology to support reliable, high speed one-way transmissions. Consisting of a pair of send-only and receive-only Communication Cards, Owl's patented data diode technology operates at the transport protocol layer assuring data integrity and availability at speeds ranging from 26 Mbps to 10 Gbps.

OWL DATA DIODE TECHNOLOGY

Owl's data diode technology is built around patented circuitry which only allows data to physically flow in one direction thereby preventing all network based cyber attacks. The design also includes a protocol break which terminates all Ethernet traffic, transfers the payload via the ATM protocol and then converts it back to Ethernet. This has the unique benefit of hiding all the IP and MAC address information from the outside world and preventing any probing of the network.

This technology comes in different form factors depending operational environment.



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WARRANTY & SUPPORT

- Includes ninety (90) days of Owl Software Technical Services (Hotline Service & Support, Software Updates)
- Annual maintenance and monthly maintenance available. Contact Owl Sales for pricing.



**Incorporates
EAL4+
Certified
Technology**

Hardware Specifications

OWL V7 COMMUNICATION CARDS:

Data diode hardware and drivers enable one-way-only data transfer with upgradeable bandwidth up to 10 Gbps

OWL CDS SMALL FORM FACTOR:

Two custom-designed Communication Cards – one send-only, one receive-only in PC104 form factor, each integrated with independent servers within an Owl 1U chassis -- fiber optic link speed 155 Mbps, with user throughput at 10 Mbps

OWL PERIMETER DEFENSE SOLUTION:

Two Owl-designed Communication Cards – one send-only, one receive-only in PC104 form factor, each integrated with independent servers within an Owl 1U chassis -- fiber optic link speed 26-155 Mbps

DATA DIODE COMMUNICATION CARD SOFTWARE:

Secure Transfer System
Send/Receive drivers
Send/Receive install software

USER APPLICATION SOFTWARE:

A wide range of Owl applications for file/directory, TCP/IP, UDP, and UNIX syslog message & SNMP TRAP one-way transfer

COMPATIBILITY:

Dell PowerEdge, Sunfire and Sun Blade, HP ProLiant (for other platforms, contact Sales)

OPERATING SYSTEMS:

RED HAT® LINUX®
SE LINUX®
Microsoft WINDOWS®
CENTOS®



OWL V7 COMMUNICATION CARDS

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