



OCDS-ST01 - Tactical Cross-Domain Solution

OCDS-ST01 integrate all the elements of a source-to-destination firewall cross-domain solution. In the tactical space, this certified, approved-to-connect, cross-domain solution operates in a Secure Extensions Linux® "locked down" environment. OCDS-ST01 can be configured to meet a range of deployment needs -- two such applications are the secure transfer of streaming full-motion video, and files examined by user-selected virus/malware scanners & filters. Intelligence may be gathered in an unclassified environment, and moved across domain boundaries to a classified analysis network. Owl proprietary DualDiode® technology is at the center of OCDS-ST01, providing the data confidentiality and domain separation elements of a robust information transfer system.

Accreditable, and readily deployable

Owl delivers the OCDS-ST01 product ready for deployment to environments, like the tactical edge, to expeditiously meet the demands and needs of theatre commanders.

OCDS-ST01 has been approved for deployment and has a completed certification risk rating, which simplifies and speeds accreditation requirements for user-specific deployment instances.

Owl provides all the documentation sought by accreditation entities, and users, alike. And, Owl provides single- point-of-contact service & support for accredited and operationally deployed OCDS-ST01 units.



- Absolute one-way transfer
- DualDiode® Technology
- Total network isolation / Discrete domain separation
- Trust-nothing design / No backchannel

APPLICATIONS:

- Readily deployable CDS
- Integrated support for full-motion video, sensor data, & file transfers
- Firewall-to-firewall CDS solution

FEATURES:

- "Locked-down" SE LINUX OS
- DualDiode data confidentiality
- Wide support of anti-virus/ malware scanning applications
- Log file-management system
- Editable file processing scripts

*In the Enterprise Core
At the Tactical Edge*



SECURE. RELIABLE. FAST.



NIAP Common Criteria EAL-4 Certified*

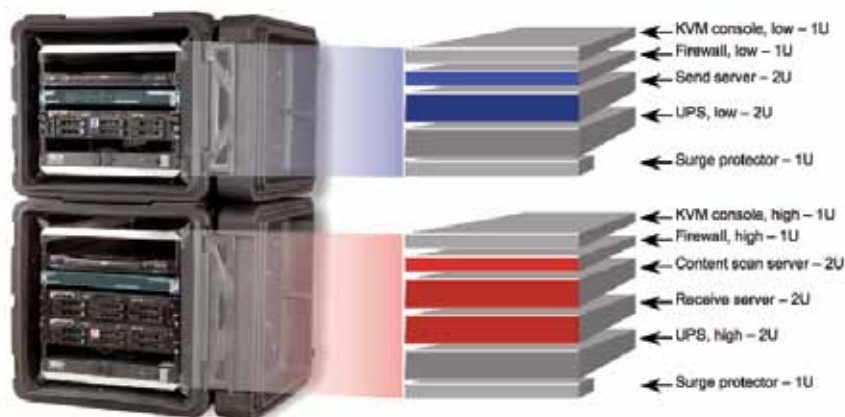
* Owl 2500 cards and Owl 155 v.3 & v.4 cards, EAL-4; Owl 155 v.1 & v.2, EAL-2

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OCDS-ST01



An Operational OCDS-ST01 deployment instance

DualDiode® Technology

A pair of Owl Communication Cards (Send-only and Receive-only), with Owl internally developed drivers, forms a Dual in-line Diode; each card is custom-manufactured to permit one-way-only data transfer. Security for the one-way transfer is enforced at both the send and receive nodes in this exclusive Owl design - neither diode requires a trusted state with the other. Application-specific software (for files, TCP packets, etc.) completes the individual Owl product offering.

Owl One-Way DualDiode Technology design securely protects the send- and receive-network domains. No information of any kind, including handshake protocols (TCP/IP, SCSI, USB, serial/parallel ports, etc.), pass from the destination computer/network back to the source computer/network. Owl's one-way transfer is a dedicated point-to-point link and requires no additional machine configuration (such as IP). This "trust-nothing" design ensures that data residing on each isolated network is fully protected.

Owl products have "Authorization-to-Operate" ATO status within many government agencies. There are over 1200 deployments Secured by Owl throughout the Department of Defense and the US Intelligence community, and the industrial control system industry.

About Owl Computing Technologies: a U.S.-owned & operated Small Business Owl Computing Technologies, Inc., based in Ridgefield, Connecticut, is a privately funded US company.

Owl has an exclusive licensing agreement with Sandia National Laboratories, with worldwide rights to develop and market products originally based on Sandia's patented data diode technology. Sandia National Laboratories is a U.S. National Laboratory operated by Sandia Corporation, for the U.S. Department of Energy.

Owl Computing develops and markets Secure Information Transfer Systems for files and directories, UDP- and TCP-based traffic, for multiple streaming video sessions, and other formats — please call for more information.

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SPECIFICATIONS:

DualDiode® Technology hardware

Two custom-designed network interface communication cards – one Send-Only, one Receive-Only

Owl 155 Communication Cards

Fiber-optic multimode, 62.5/125 ST-ST
155.52Mbps link speed
15 MegaBytes/s user throughput

DualDiode 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

Operating Systems:

RED HAT®
LINUX® [SE LINUX®]

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