



155.52Mbps Cross-Domain Communications Cards

The Owl 155 communication card set is the controlled interface in Owl Computing transfer solutions, when user applications require the physical security of fiber-optic transport, and moderate-to-high user content throughput levels. The Owl 155 card set is the DualDiode hardware component for Owl 4.0 CDS on the UCDMO Baseline Inventory 3.5.0.

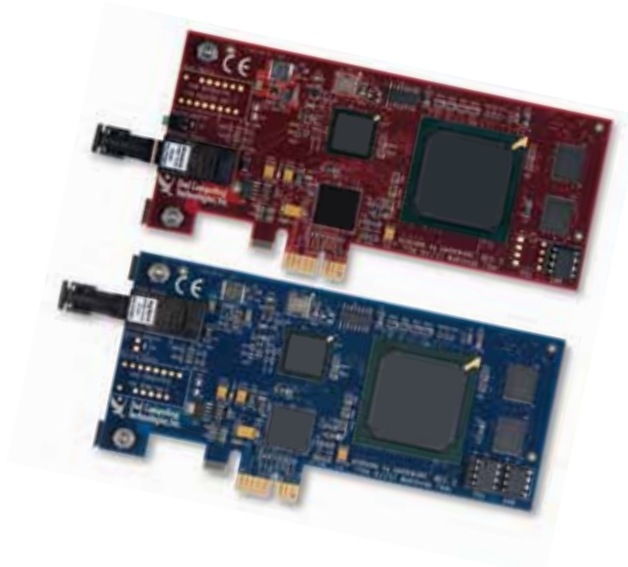
Owl 155 cards, matched with Owl application-specific software, support the secure transfer of all types and formats of user traffic. Owl 155 communication cards are NIAP Common Criteria EAL-4 certified (3 & 4); EAL-2 certified (1 & 2).

Evolving cross-domain needs

Traditional cross-domain approaches (walk-net, "clipped" cable, Ethernet, etc.) are being over-run by the volume and variety of today's data types.

Owl responds to today's information transfer challenges with easily deployed DualDiode® solutions, designed to operate across the broadest range of user environments & platforms, and transparent to almost all user applications. Owl 155 custom hardware and proprietary drivers enforce a secure "protocol break" between network domains of varying security levels and needs-to-know. As with all Owl Computing products, a wide range of operating systems is supported. Standards-based off-the-shelf optical connectors with multi-mode fiber, comprise the optical connection.

- Discrete Send & Receive optics footprints
- Compact height - half length
- No discrete RAM to retain data or routing information
- Send-only segmentation or Receive-only reassembly logic



APPLICATIONS:

- Cross-domain solutions
- Streaming video & high-resolution images
- Controlled interface
- Large file transfer
- Upguard / downguard operations
- Sneaker Net replacement
- UNIX Syslog message & SNMP TRAP transfer

Owl Computing hardware provides an EAL-certified solution for secure one-way data transfers.

*In the Enterprise Core
At the Tactical Edge*



SECURE. RELIABLE. FAST.



NIAP Common Criteria EAL-4 Certified*

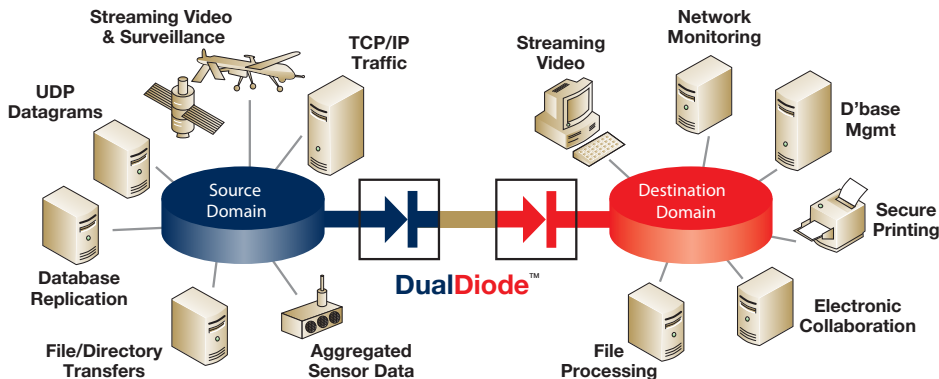
* Owl 2500 cards and Owl 155 v.3 & v.4 cards, EAL-4; Owl 155 v.1 & v.2, EAL-2

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OWL 155 GOV



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 1000 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.

Visit us at www.owlcti.com

SPECIFICATIONS:

DualDiode® Hardware:

Owl 155 Communication Cards -- Custom DualDiode Technology OCCs, and drivers, enable one-way-only data transfer at 155.52Mbps

Software:

Owl Secure Transfer System Send/Receive Driver and Send/Receive Installation software; a wide range of Owl applications for file/directory, TCP/IP, UDP, & syslog/SNMP TRAP one-way transfer

Connection:

Fiber Optic Multi-Mode
ST-ST cable
Seamless 10/100/1000 Integration

Throughput:

155.52Mbps link speed; 15+ MBytes per second user throughput

Compatibility:

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

Operating Systems:

SUN SOLARIS® 8, 9, 10
RED HAT® LINUX®
Microsoft WINDOWS® XP
Microsoft WINDOWS® 2003
SE LINUX®
TRUSTED SOLARIS®