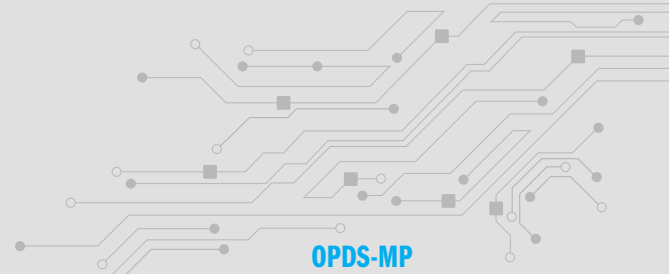


GE Intelligent Platforms Proficy® Support

- Proficy* Historian from GE Intelligent Platforms is a powerful, enterprise-wide data historian that collects, archives and distributes tremendous volumes of real-time production information across the control space. The database system must also send data to business & engineering network domains outside the electronic security perimeter. The Owl Perimeter Defense Solution enables this secure transfer with a native software connector for secure file transfer.



✓ Easy-To-Use

The Owl software connector transfers database points, historical records -- all with minimal startup configuration and administrator access. If the customer selects pre-configuration (supplying Owl with a copy of point records, and a network configuration), the transfer system is truly "plug-and-play."

☰ Features & Benefits

- OPDS Linux operating system for transfer security and reliability
- Non-routable protocol separation of networks with embedded data diodes
- Single 1U 19-inch chassis
- Simple, speedy configuration and operation
- Integrated platform functionality minimizes changes to legacy networks
- Minimal admin and maintenance costs reduces total cost of ownership

🔑 OPDS Software Flexibility for Proficy Historian

The Owl Perimeter Defense Solution family of NERC-CIP compliant appliances comes standard with support for secure one-way file transfer (via a number of file-handling techniques), and the transfer of TCP packet & UDP datagram streams. Operators whose process control systems present these types of formats use the native capabilities of OPDS to transfer data out to business/engineering networks securely.

In the case of GE Proficy Historian data transfer, file transfer is a preferred method. Real-time historian database entries are collected as a file over a user-configurable time period. The file is sent to a directory on the Send-only server "side" of the OPDS 1U integrated platform. The file then transferred via OPDS embedded data diodes across the Owl non-routable protocol break to the OPDS Receive-only server "side," and on to a corporate network Proficy Historian or to another operator system for analysis.

Standard OPDS Configuration

Standard units of the Owl single-chassis OPDS family are configured to support the concurrent transfer of files, TCP packets and UDP datagram streams. These OPDS products also support file transfer via Owl RFTS (trusted file movement across shared networks) and via common FTP, as well as secure transfer of syslog messages. Applications requiring specific transfer software are noted in the right column.

Files are filtered to meet file extension-type and executable checks. Standard OPDS products support the internal management of a wide variety of malware/virus filters and file content examiners – use licenses may be added to the base system.

The integrated servers within OPDS employ the CentOS Linux operating system, “locked down” from technical guidance taken from US government-formulated Security Technical Implementation Guides (STIGs) and satisfy the Center for Internet Security guidance.

Technical Specifications

Operating Conditions:

32°F to 110°F
0°C to 43.33°C
20% to 85% humidity non-condensing

Power Supply:

Two power supplies per device
Input: 100-240V AC auto-ranging
Estimated Normal operating Usage 10-15W per side
Max. 20W per side
Eu & UK power cables on request

Storage:

-40°F to 158°F
-40°C to 70°C
5% to 95% humidity non-condensing

Safety Standards:

UL60950-1, TUV EN60950-1 approved

Chassis:

Black Anodized aluminum

Mounting System:

19" (48.3cm) 1U rackmount, tabletop

Cooling System:

High-efficiency fan system with low system acoustic noise level

Approvals:

FCC class B
CE Marking
CB Marking
International Common Criteria Certification EAL4

ISO:

Manufactured using ISO9001:2008 certified quality program

Chassis Size:

16.5" W x 1.75" H x 13" D
41.91 cm x 4.5 cm x 33 cm

Unit Weight:

7.92 lbs./3.6 kg.

MTBF:

16 years



About Owl

For over 16 years Owl Computing Technologies has been implementing next generation cybersecurity solutions for critical networks. Owl's DualDiode Technology®, a proprietary data diode, boasts 24 technology patents and has over 2,000 successful deployments globally across intelligence, government, military, financial services, utility, energy, and other critical infrastructure networks. Owl's hardware-enforced technology ensures secure networks and enables the reliable and robust transfer of all data types and file sizes.

