

Echelon® Gateway

ONYXWorks® System Integration

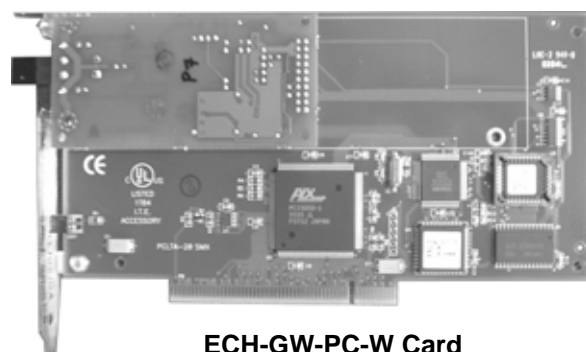


Network Systems

General

The Echelon® Gateway is an intelligent gateway interface for the ONYXWorks™ facilities monitoring workstation. This gateway facilitates systems monitoring and integration for competitive fire panels, security, and CCTV on a high-speed network. Network Input Output Nodes (NION®s) are used as the interface between the monitored equipment and the network.

The PC-based version of the gateway is the network interface for a proprietary LonWorks™ network and resides in ONYXWorks workstations. The LonWorks network operates at 78.5 Kbaud or 1250 Kbaud speeds that support local and remote monitoring and can be extended over shared IP or standard phone lines.



ECH-GW-PC-W Card

Features

- Enable the ONYXWorks workstation to monitor and control competitive fire panels, security, and CCTV.
- High-speed proprietary LonWorks network that supports wire or multi-node fiber media.
- Integrate fire panels from Simplex, EST, Siemens, and more using NION interfaces.
- Combine security (Ademco) and CCTV (Pelco, Burle/Phillips, Vicon) to a single platform.
- CCTV Switcher and PTZ interfaces available with on-screen pan, tilt, and zoom control along with a live video window.
- Monitor process control devices with discrete network input/output nodes.
- Routers, repeaters, and bridges available to increase distance, network configuration or change media (FO-10, FT-10, fiber).
- Each node is continuously monitored and a fault condition will be reported if any node becomes disconnected from the network.
- Multiple clients can access the gateway simultaneously.
- Gateway redundancy for network survivability.

Compatibility

- The Echelon Gateway is compatible with ONYXWorks and interfaces to a proprietary LonWorks network for the following devices:
 - NION-NPB
 - NION-232B
 - NION-16C48M
 - NION-2C8M
 - 4WRMB
 - ROUTMB
 - NCB-IM
 - NCB-EL
 - NCB-FL
 - SMX Transceivers
- The Echelon Gateway is compatible with the following UL-Listed fire alarm control panel interfaces:
 - NOTIFIER AFP1010/AM2020

- NOTIFIER AFP-200/-300/-400
- NOTIFIER ONYX® Series NFS-640 and NFS-3030
- NOTIFIER ONYX Series NFS-320, NFS2-640, NFS2-3030 and DVC
- NOTIFIER NCA-2, NCA and INA
- NOTI•FIRE•NET™
- Simplex® 2120
- Simplex® 4010
- Simplex® 4020
- Simplex® 4100
- Autocall® 1500
- Autocall® AC-2 (non-UL)
- Autocall® TFX
- EST® IRC-3
- EST® EST-2
- EST® EST-3
- FCI® 7200
- Fire•Lite® Alarms MS-9200
- Siemens® MXL-3
- Siemens® XL-3 (non-UL)
- The Echelon Gateway is compatible with the following UL-Listed CCTV interfaces:
 - Pelco® 6700, 8500, 9500, 9760
 - Pelco® PTZ models
 - Burle® LTC Series
 - Burle® PTZ models
 - Vicon® VPS328, V1422
 - Vicon® PTZ models
- The Echelon Gateway is compatible with the following **UL-Listed security interfaces**:
 - ADEMCO® Vista, 128B and 128FB

Specifications

(PC-based version)

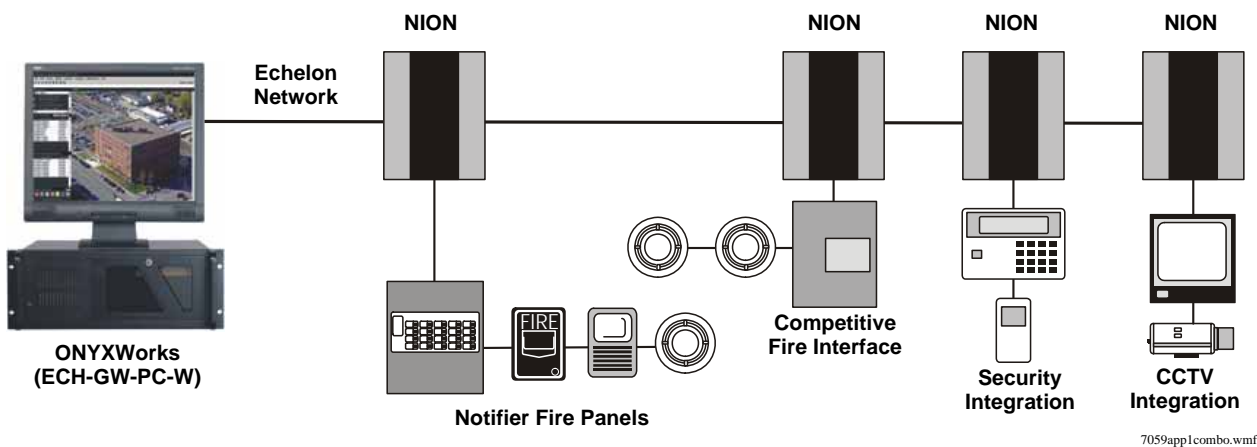
- Requires an ONYXWorks Workstation (see ONYXWorks data sheet DN-7048).
- PCI PC card (supports wire connections only).
- Operating temperature: 0°C – 49°C (32°F – 120°F).
- 93% humidity non-condensing at 30°C (86°F).
- **FT-10 (Free Topology) network allows:** (a) 8,000 foot point-to-point; (b) 6,000 foot bus topology with a maximum of 64 nodes; or (c) 1,500 foot maximum radius from origination with multiple T-taps.
- **FO-10 (Bus-Style Optical Fiber network)** allows segments of a maximum of 10,000+ feet (3048 m) between nodes through message/signal regeneration.

Standards and Codes

The Echelon Gateway complies with the following UL Standards and NPFA 72 Fire Alarm requirements:

- UL 864
- UL 1076

Systems Integration



7059app1 combo.wmf

Listings and Approvals

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL:** S5526; S6010
- **ULC:** S5526; S6010
- **CSFM:** 7300-1525:103 (ONYXWORKS-EW)

Ordering Information

ECH-GW-PC-W*: Echelon Gateway PC card for wire media (PCI card). Included in ONYXWORKS-EW (UL-listed workstation)**

WSSUP*: Workstation Supervision PC Card (ISA card).

*Authorized distribution only.

**If adding to an existing system, please provide Customer Service with the 5 digit software key number of your workstation. An upgrade authorization will be provided to you.

Additional PC version Gateway required components:

- ONYXWorks Workstation.

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