

ONYXWorks® Gateways

NFN Fire Monitoring



Network Systems

General

The NOTI•FIRE•NET™ Gateway is an intelligent gateway interface for the ONYXworks® fire monitoring workstation. This gateway facilitates complete monitoring and control of a NOTI•FIRE•NET™ network and is available in a PC version and an embedded version. In addition, it supports full panel programming and network diagnostics.

The PC version of the gateway is the network interface for a true peer-to-peer network and resides in ONYX® Series workstations. The embedded version is a standalone gateway and is equipped with IP capability thus enabling ONYX® Series users to monitor multiple sites over an Ethernet network without the need for remote workstations.

Features

- Enables ONYX® Series workstation to monitor alarm, pre-alarm, trouble, and disabled events for Notifier fire alarm control panels on a NOTI•FIRE•NET™ network.
- Adds acknowledge, silence, reset, enable/disable, and activate/deactivate control capability to the workstation.
- Supports fire alarm control panel programming upload/downloads and modifications.
- Standalone embedded version for: ability to scale, remote IP connections.
- Supervised IP connections for remote workstations and gateways.
- Multiple workstations can access the gateway at the same time.
- PC versions support wire or multimode fiber options.
- Gateway redundancy for network survivability.

Compatibility

The NOTI•FIRE•NET™ Gateway is compatible with ONYXWorks® and ONYX FirstVision and interfaces to NOTI•FIRE•NET™ version 5.0 and higher for the following panels and devices:

- ONYX Series
- AM2020/AFP1010 (version 5.0 SIB-NET)
- AFP-200 (version 5.0 NAM)
- AFP-300/AFP-400 (version 5.0 NAM)
- BACnet Gateway
- NCA-2/NCA Network Control Annunciator
- NOTI•FIRE•NET™ Web Server

Specifications

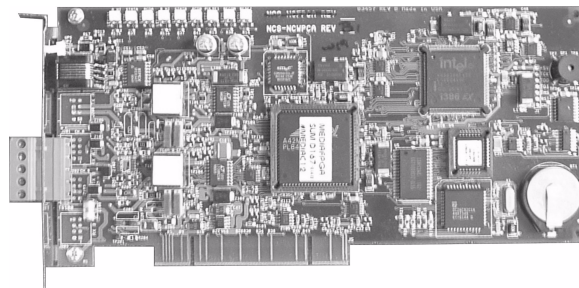
PC version:

- Requires an ONYXworks® Workstation (see ONYXworks® data sheet DN-7048).
- Operating temperature: 0°C to 49°C (32°F to 120°F).

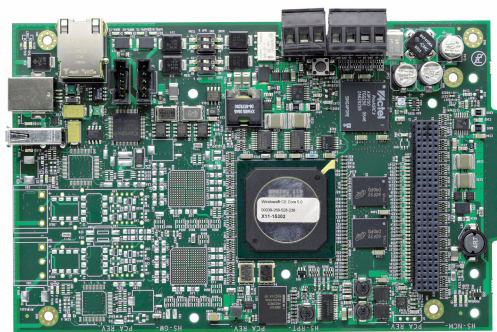
Embedded version:

- Input current: 450 mA @ 24 VDC.
- Input voltage range: 19 VDC to 29 VDC.

7060cov1.jpg



NFN-GW-PC-W



NFN-GW-EM-3

- Operating temperature: 0°C to 49°C (32°F to 120°F).
- Mounts on a CHS-4L chassis in a CAB-4 Series cabinet (see data sheet DN-6857).
- Direct connection to NFS2-640, NFS-640, NFS-320, NFS2-3030, and NFS-3030 fire alarm control panels. NCM-W or NCM-F required for connection to NOTI•FIRE•NET™ (see data sheet DN-6861).

Standards and Codes

The NOTI•FIRE•NET™ Gateway complies with the following UL/ULC Standards and NFPA 72 Fire Alarm Systems requirements:

- UL 864
- UL 1076
- UL 2017
- ULC S559-04
- ULC S527-99

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 / ULC:** S5697
- **CSFM:** 7300-1525:103

- MEA: 286-07-E

Ordering Information

NFN-GW-EM-3: NOTI•FIRE•NET™ Gateway, embedded. Includes PC board, Surge Suppressor (PNET-1).

NFN-GW-PC-W: NOTI•FIRE•NET™ Gateway PC card for wire media (PCI card). Included in ONYXWORKS-NW (UL-listed workstation)

NFN-GW-PC-F: NOTI•FIRE•NET™ Gateway PC card for multimode fiber media (PCI card). Included in ONYXWORKS-NF (UL-listed workstation)

Additional PC VERSION Gateway required components:

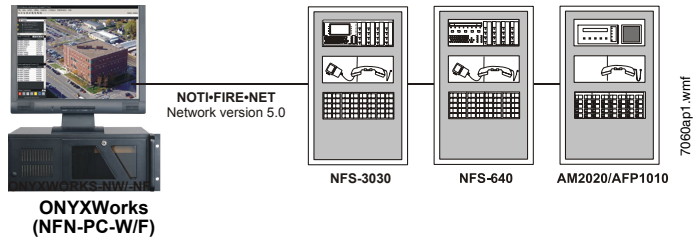
- ONYXWorks® Workstation.

*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 for you.

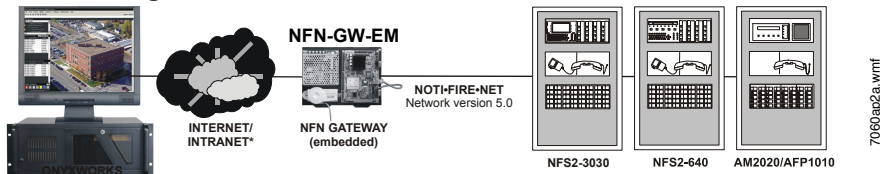
Additional EMBEDDED VERSION Gateway required components:

- NCM-W or NCM-F for connection to NOTI•FIRE•NET™.
- IBM®-compatible PC with Windows® XP.
- For Gateway versions 3.0 and above, the Gateway is configured over IP or through a cross-over ethernet cable.
- Standard Ethernet network cable with RJ45 connectors.
- CHS-4L with a CAB-4 Series cabinet (for standalone mounting).

Local Monitoring



Remote Monitoring



* A UL Listed ethernet (TCP/IP) switch is required between a shared-IP network and the ONYXWORKS equipment. Contemporary Control Systems, Inc. (www.ctrlink.com) has several UL864 recognized switching hubs.

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We cannot cover all specific applications or anticipate all requirements.
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