ONYXWorks®Gateways - NFN Fire Monitoring

General

The NOTI•FIRE•NET™ (NFN) Gateway is an intelligent gateway interface for the ONYXWorks® fire monitoring workstation. This gateway facilitates complete monitoring and control of a standard or high-speed NFN 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 ONYXWorks workstations. The embedded version is a standalone gateway and is equipped with IP capability thus enabling ONYXWorks users to monitor multiple sites over an Ethernet network without the need for remote workstations.

Features

- Enables ONYXWorks workstation to monitor alarm, prealarm, trouble, and disabled events for Notifier fire alarm control panels on a standard or high-speed NFN 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 standard (wire or multimode fiber options) or high-speed (wire, singlemode or multimode fiber).
- Gateway redundancy for network survivability.

Compatibility

The NFN Gateway is compatible with ONYXWorks and ONYX First-Vision® and interfaces to NFN 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)
- N16 (PC version NFN Gateways only)
- BACnet Gateway
- NCA-2/NCA Network Control Annunciator
- NCD

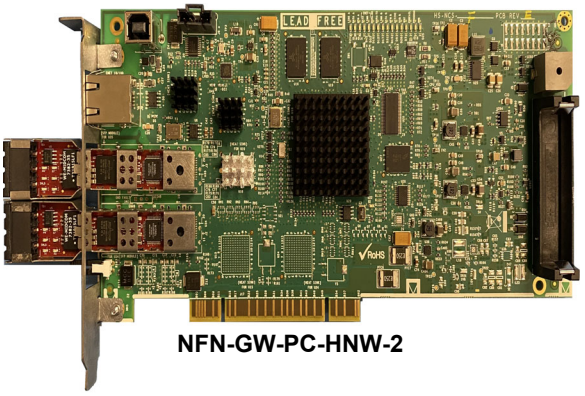
Specifications

PC VERSION:

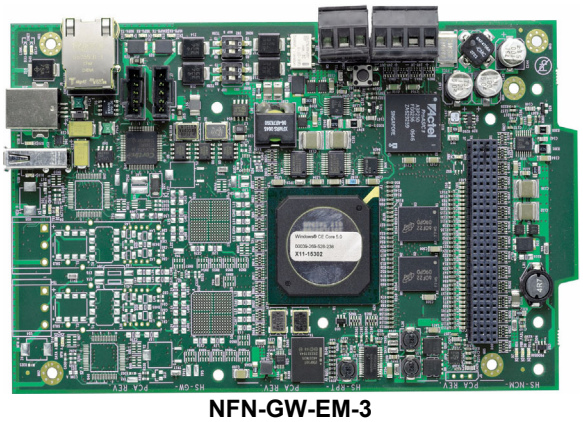
- Requires an ONYXWorks Workstation (see ONYXWorks data sheet DN-7048)
- Operating temperature: 0°C to 49°C (32°F to 120°F)

EMBEDDED VERSION:

- Input current: 450 mA @ 24 VDC
- Input voltage range: 19 VDC to 29 VDC.NFPA Class B or Class A operation
- 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)



NFN-GW-PC-HNW-2



NFN-GW-EM-3

- 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 the NOTI•FIRE•NET (see data sheet DN-6861)

HIGH-SPEED NFN CONNECTIVITY:

In order to connect to the High-Speed NFN (see data sheet DN-60455), one of the following high-speed network control modules (see data sheet DN-60454) is required:

- HS-NCM-W-2 (twisted-pair wire)
- HS-NCM-WMF-2 (wire and multimode fiber-optic)
- HS-NCM-WSF-2 (wire and singlemode fiber-optic)
- HS-NCM-MF (multimode fiber-optic)
- HS-NCM-MFSF (multimode and single-mode fiber-optic)
- HS-NCM-SF (singlemode fiber-optic)

Standards and Codes

The NFN Gateway complies with the following UL/ULC Standards and NFPA 72 Fire Alarm Systems requirements:

- UL 864
- UL 1076
- UL 2017
- UL 2572
- ULC S559-04
- ULC S527-99

Agency Listings and Approvals

The following 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 Honeywell for the latest listing status.

- **UL/ULC:** S597
- **CSFM:** 7300-1525:103
- FM Approved
- FDNY:
  - COA # 2020-TMCOAP-003337-AMND (NFS2-3030)
  - COA # 2020-TMCOAP-003349-AMND (NFS-320, NFS2-640)

Ordering Information

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

NFN-GW-PC-W: NOTI•FIRE•NET Gateway PC card for wire media (PCI card).

NFN-GW-PC-F: NOTI•FIRE•NET Gateway PC card for multimode fiber media (PCI card).

NFN-GW-PC-HNMF: High-Speed NFN Gateway PC card for multi-mode fiber media

NFN-GW-PC-HNSF: High-Speed NFN Gateway PC card for single mode fiber media

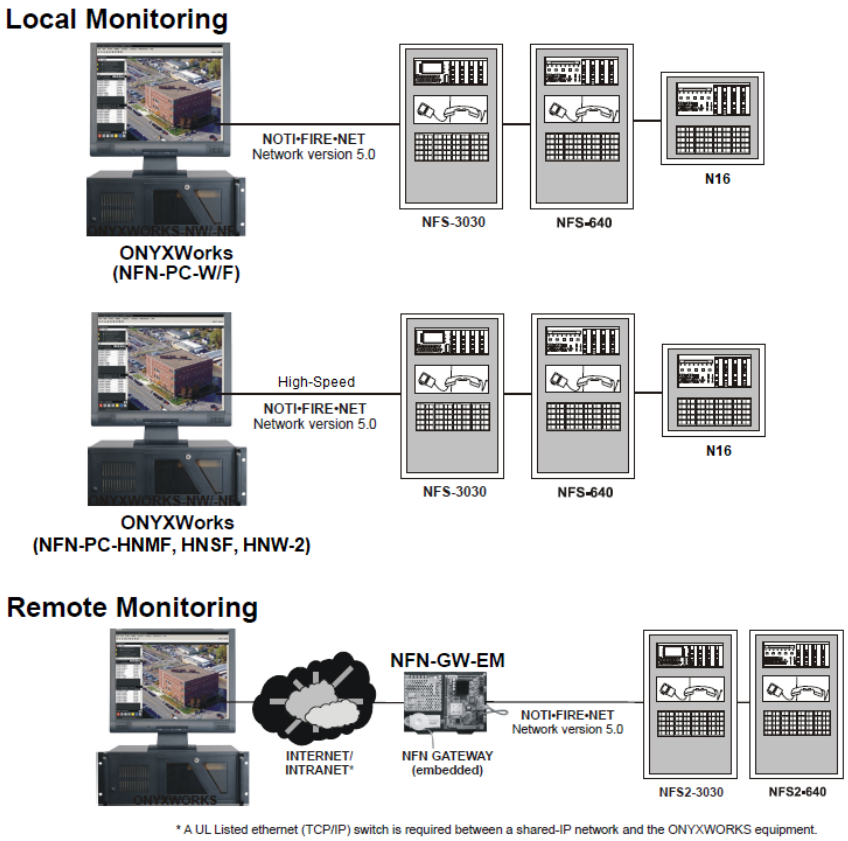
NFN-GW-PC-HNW-2: High-Speed NFN Gateway PC card for wire media

ADDITIONAL PC VERSION GATEWAY REQUIRED COMPONENTS:

- ONYXWorks Workstation (P/N ONYXWORKS-WS)

ADDITIONAL EMBEDDED VERSION GATEWAY REQUIRED COMPONENTS:

- IBM®-compatible PC with Microsoft® Windows® 10



* A UL Listed ethernet (TCP/IP) switch is required between a shared-IP network and the ONYXWORKS equipment.

ISO 9001 CERTIFIED
ENGINEERING & MANUFACTURING QUALITY SYSTEMS

This document is not intended to be used for installation purposes.
We try to keep our product information up-to-date and accurate.
We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.

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Country of Origin: USA

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