

# NFN-GW-EM-3 OnyxWorks NFN Embedded Gateway-3

## General

The NFN (NOTI•FIRE•NET™) Gateway is an intelligent gateway interface for the ONYXWorks® fire monitoring workstation. This gateway facilitates complete monitoring and control of a NFN network. In addition, it supports full panel programming and network diagnostics.

The embedded gateway is a standalone version 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.

## Compatibility

The NFN-GW-EM-3 Embedded Gateway is compatible with, and interfaces to, NFN version 5.0 and higher, as well as a high-speed NFN network for the following panels and devices:

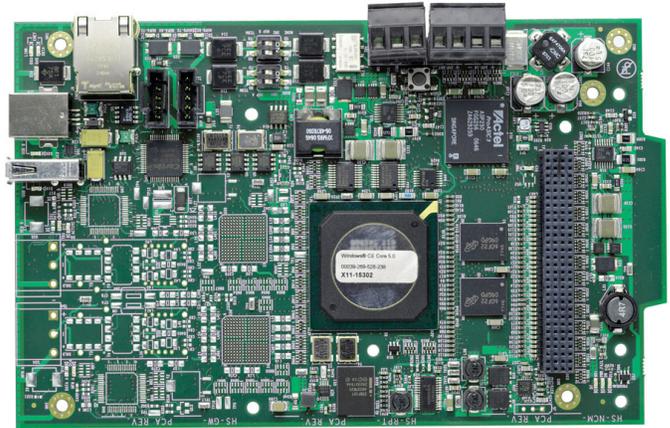
- ONYXWorks Workstation
- ONYX FirstVision®
- ONYX Series FACP's
- DVC-EM Digital Voice Command
- BACnet Gateway
- NCA-2 Network Control Annunciator

## Features

- Enables the ONYX Series workstation to monitor alarm, pre-alarm, trouble, disabled events, etc. for ONYX fire alarm control panels
- ONYXWorks supports up to 200 intelligent gateways
- Compatible with standard and high-speed NFN networks
- Adds acknowledge, silence, reset, enable/disable, and activate/deactivate control capability to the workstation
- Supports fire alarm control panel programming upload/downloads and modifications
- Allows remote IP connections and increases scalability of network
- Supervised IP connections for remote workstations and gateways
- Multiple workstations can access the gateway at the same time
- Gateway redundancy for network survivability

## Specifications

- Power input: 24 VDC
- Input current: 450 mA @ 24 VDC (without NCM).
- Operating temperature: 0°C to 49°C (32°F to 120°F).
- Direct connection to NFS2-640, NFS-320, and NFS2-3030 fire alarm control panels. NCM required for connection to NFN, and HS-NCM for connection to high-speed network. (See data sheets DN-6861 and DN-60454.)



## Standards and Codes

The NOTI•FIRE•NET Gateway complies with the following UL/ULC Standards:

- UL 864
- UL 2017
- UL 2610
- 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 NOTIFIER for latest listing status.

- **UL / ULC:** S5697
- **FM Approved**
- **CSFM:** 7300-1525:0103
- **FDNY:** COA # 6306, 6287

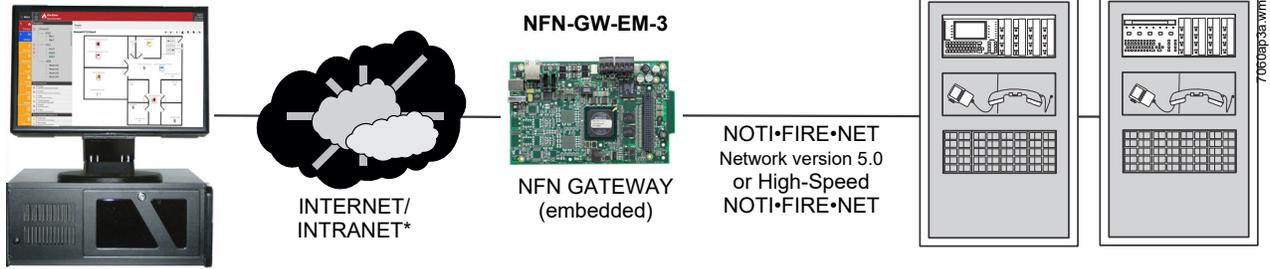
## Ordering Information

**NFN-GW-EM-3:** NOTI•FIRE•NET Gateway, embedded. Includes PC board, NUP-to-NUP cable (75577), USB Cable (75665) and NFN Configuration.

*Additional Embedded Gateway required components:*

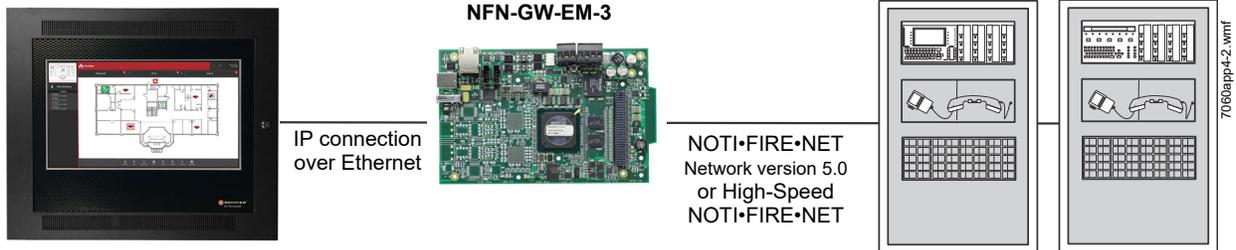
- NCM (Network Control Module) for connection to NFN
- HS-NCM (High-Speed Network Control Module) for connection to high-speed NFN
- IBM®-compatible PC with Microsoft® Windows® 10
- Standard Ethernet network cable with RJ45 to RJ45 connectors
- ONYXWorks Workstation or FirstVision
- NFN Network v5.0 or later
- VeriFire® Tools

## ONYXWORKS



\* 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](http://www.ctrlink.com)) has several UL864 recognized switching hubs.

## ONYX FirstVision



**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.

NOTIFIER®, ONYX®, ONYXWorks®, FirstVision®, and VeriFire® are registered trademarks, and NOTI•FIRE•NET™ is a trademark of Honeywell International Inc. Microsoft® and Windows® are registered trademarks of Microsoft Corporation. IBM® is a registered trademark of the International Business Machines Corporation.

Country of Origin: USA

**NOTIFIER**  
 12 Clintonville Road  
 Northford, CT 06472  
 203.484.7161  
[www.notifier.com](http://www.notifier.com)

 **NOTIFIER**<sup>®</sup>  
 by Honeywell