ONYXWorks® Fire Systems Command Interface

General

ONYXWorks® is the next generation in life safety management for centralized monitoring and control of the fire alarm system. The intuitive, graphical display allows personnel to rapidly pinpoint, investigate, and respond to alarm events with minimal operator training. Versatile enough for single-site, multi-site and even worldwide applications, the ONYXWorks graphical workstation allows end-users to manage their NOTIFIER life safety system over a proprietary network or Ethernet. Through its intelligent gateway architecture, ONYXWorks can easily meet the needs of expanding systems. ONYXWorks is also an ideal retrofit solution, supporting seamless integration with competitive panels. Additionally, ONYXWorks provides mass notification capabilities through IP-based voice paging.



Features

OVERVIEW

- Operates on Microsoft® Windows® 10 (64 bit, Enterprise)
- Monitor options: 24” and 43” Standard and Touchscreen
- Supports up to 200 intelligent gateways, with 200 nodes per gateway
- Maximum Remote Users: 50
- Point Capacity: 250,000
- History File Capacity: 2.5 Million Records
- Supports the following additional languages: Spanish, French, Korean, Portuguese, Hebrew, and Chinese (Traditional and Simplified)
- Compatible with standard, high-speed NOTI•FIRE•NET™, and Ethernet-based networks
- NOTI•FIRE•NET gateway redundancy for network survivability

USER INTERFACE

- Customizable interface provides flexibility to display information as desired.
- Supports dual monitors.
- Dynamically generated floor plan overview provides point of reference when using the zoom function.
- Global Zoom Level for devices (0 – 100%), definable by the administrator.
- Device information, including point address and description, can be quickly accessed through icon left-click function.
- Navigational tree, icons and configurable areas provide easy access to system floor plans.

EVENT NOTIFICATION AND RESPONSE

- Graphic and text display of all off-normal events.
- Six states can be visually represented for each input device: Normal, Trouble, Fire Alarm, Pre-Alarm (detectors), Disabled, and Security.
- Automatic screen navigation (configurable) to the device in alarm, based on event priority.
- Multimedia (text, audio, video and bitmaps) can be linked to any device, providing instructions to operators for event response.
- Operator log with response tracking.
- Text/E-mail notification for off-normal events.
- Voice-Over-IP paging for mass notification.

SYSTEM SETUP

- Graphic Editing mode allows on-site or off-site system setup.
- Import building floor plan CAD drawings (as a .DXF, .WMF, .JPG, or .GIF).
- Customizable device icon and colors to visually represent each event type.
- AutoPlace feature automatically places devices in their proper location (.DXF's).
- User defined icons can be globally defined (.PNG, .WMF, .JPG, and .GIF formats).

SECURE ACCESS

- System Administrator-definable user profiles provide strict levels of access.
- Monitoring and Control profiles delineate defined operator accounts.
- Operator Login/Logout/Change Password feature allows only authorized personnel to access the system.
- Logs in history of any operator changes in the workstation.

OPERATIONS

- Macros provide customizable programming to simplify repetitive tasks (disable/enable, deactivate/activate).
- Individual device control and system information through icon right-click function.
- History Manager: Filterable history reporting serves as a valuable maintenance and diagnostic tool to identify patterns.
- Test Monitoring function enables unobtrusive testing of selected points, eliminating nuisance alarms at the workstation.
- Firefighter’s Graphical Smoke Control function available separately. (with NFS2-3030 panel only)

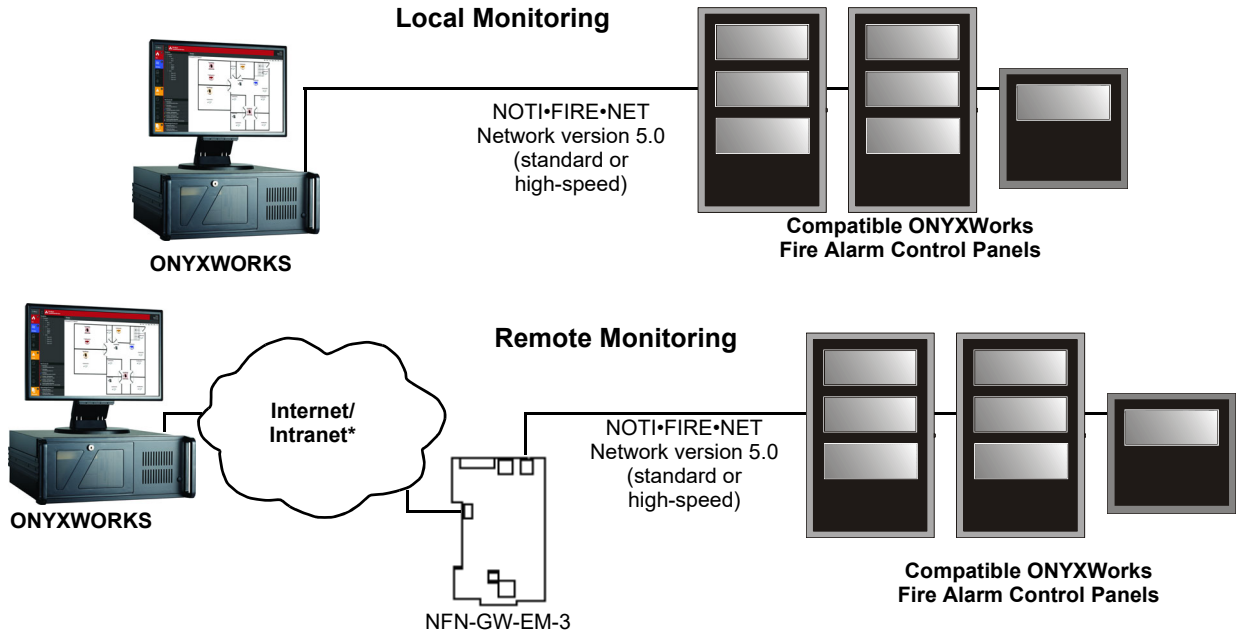
SYSTEM MAINTENANCE

- Backup capability for screen, member, and history databases.
- Obtain software version numbers for network panels (ONYX® Series fire panels).
- Upload/Download databases to NOTIFIER ONYX series panels and perform panel upgrades (ONYX Series only) over the network using VeriFire Tools.

NOTI•FIRE•NET Monitoring

An ONYXWorks system is an ideal component of a Fire Command Center for real-time fire system status and system control options. ONYXWorks interfaces directly to a NOTI•FIRE•NET fire system using an NFN Gateway. The NFN Gateway is an intelligent interface used by an ONYXWorks system that facilitates monitoring and control of a NOTI•FIRE•NET (version 5.0) network and NOTIFIER fire panels. The NFN Gateway is available in two versions: PC-based gateway and embedded gateway (see NFN Gateway data sheet DN-7060). The embedded NFN Gateway enables users to monitor multiple sites (local or remote) over an IP network.

Minimum ONYXWorks equipment options/requirements are available on the NFN Gateway data sheet.

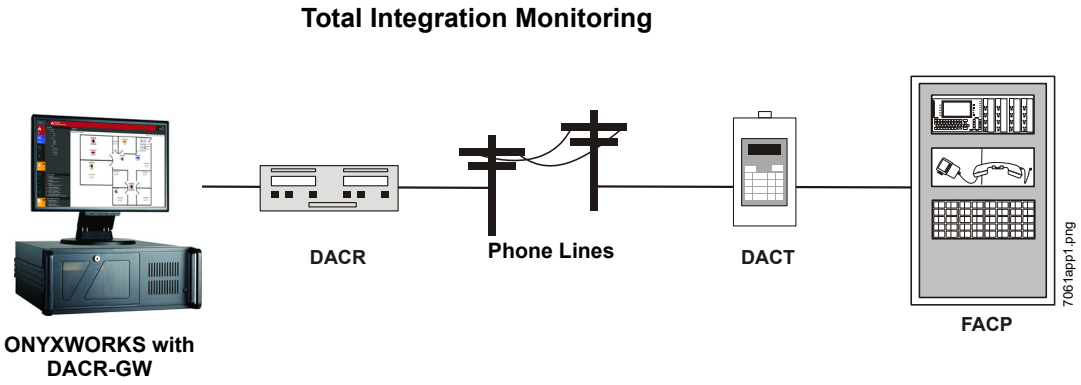


* A UL listed Ethernet (TCP/IP) switch is required between a shared-IP network and the ONYXWorks equipment. Contemporary Control Systems, Inc. (www.ctrlink.com) has several UL864 recognized switching hubs.

Building Systems Integration

In addition to NOTIFIER fire-only applications, the ONYXWorks Proprietary Supervising Station mode allows integration of competitive fire panels and security panels into one graphical user interface. This mode allows for monitoring of local or remote (over shared IP or standard phone lines) building systems using Digital Alarm Communicator Receiver (DACR-GW).

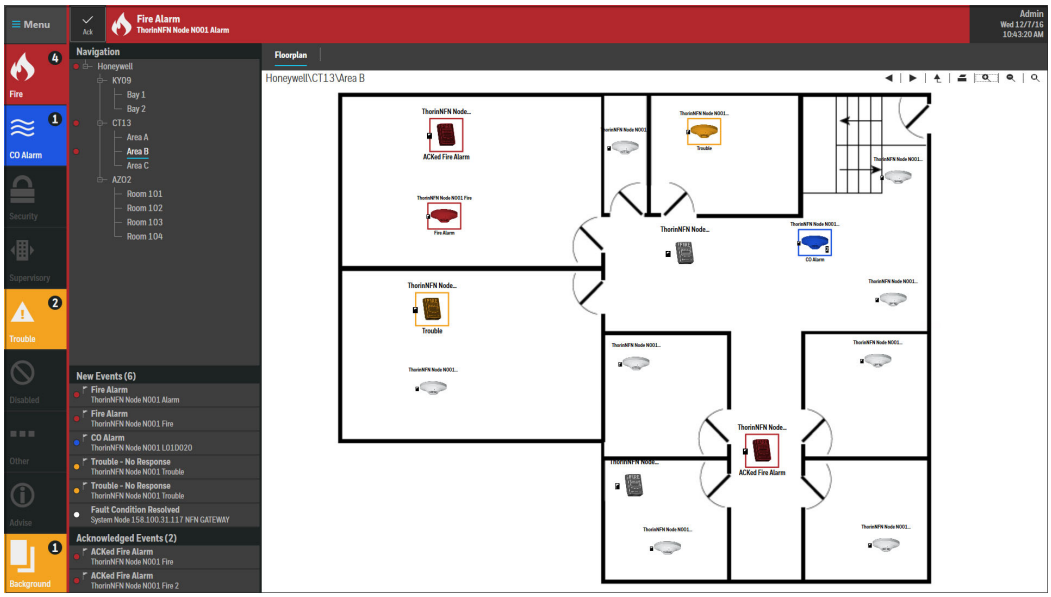
The flexible ONYXWorks system can interface to and monitor events received by BOSCH® D6100 Central Station receivers (contact ID format only) by using the Receivers Gateway. See Receivers Gateway data sheet DN-7061.



Specialized Client Applications

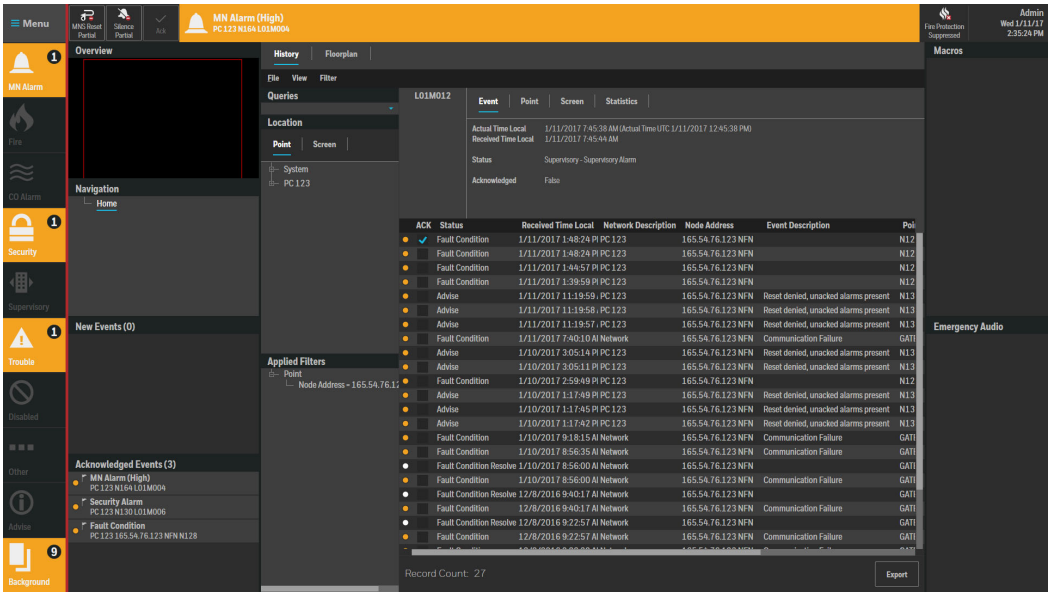
- ONYXWorks Workstation
- History Manager

ONYXWorks Workstation Software



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History Manager



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Specifications

*DIMENSIONS**

CPU (desktop/rack mount unit): Width: 19.0" (48.3 cm). Depth: 17.7" (45 cm). Height: 7.0" (17.8 cm). Weight: 39 lbs. (17.7 kg).

24" Monitor Dimensions*: Width: 23.5" (59.6 cm). Height: 14.4" (36.57 cm). Depth: 1.6" (10.16 cm). Weight: 22 lbs (9.97 kg).

43" Monitors (Standard and Touchscreen): Width: 40.7" (103.38 cm). Height: 25.2" (64.0 cm). Depth: 4" (10.16 cm); Weight: 41 lbs (18.6 kg).

***DIMENSIONS NOTE:** Dimensions/weights subject to change. Contact NOTIFIER for further information.*

ELECTRICAL

CPU Electrical: AC Input: (frequency 47 Hz – 63 Hz), 7.0 A @ 120 V, 60Hz (95-132 V), 4.0 A @ 230 V, 60Hz (185-264 V).

24" Monitors: Power Supply Input: 100 to 240 VAC to 12 V DC power brick. Power Consumption: 150 watts typical (maximum). Current Rating: 11A (with audio).

43" Standard Monitor: Voltage: 90-264 VAC, 50/60 Hz. Power Consumption: 200 watts (maximum). Current Rating: 1.5A @120 VAC (maximum).

43" Touchscreen Monitor: Voltage: 120 VAC, 50/60 Hz. Power Consumption: 235 watts (maximum). Current Rating: 2A @120 VAC (maximum).

ENVIRONMENTAL

Operating Temperature: 0°C to 49°C (32°F to 120°F).

Standards and Codes

ONYXWorks complies with the following UL Standards and NFPA 72 Fire Alarm Systems requirements:

- **UL 864** (Fire)
- **UL 864 UUKL** (Firefighter Smoke Control Station)
- **UL 2017** (General Purpose Signaling)
- **UL 2572** (Mass Notification)
- **UL 2610** (Burglary)
- **CAN/ULC S527**
- **CAN/ULC S559**

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 Listed:** S5526
- **CSFM:** 7165-0028:0243 (NFS2-640/NFS-320), 7165-0028:0224 (NFS2-3030)
- **Fire Dept. of New York:** COA#000688 (NFS2-640/NFS-320), COA#000686 (NFS2-3030)
- FM Approved

Ordering Information

WARRANTY: The PC is warrantied for 3 years; monitors are warranted from date of purchase for a period of 12 months. Please refer to the NOTIFIER Limited Warranty Policy for additional information.

ONYXWorks Workstation Components: ONYXWorks Workstation Graphics User Interface (GUI) software and hardware package. Includes UL-Listed rack mountable graphics PC with Intel® i7-4700EQ, 2.4GHz, QM87, 4th Gen, (four cores/8 threads), 6 MB of Cache, 16 GB of RAM, a 240 GB solid-state hard drive, sound, optical mouse, keyboard, Ethernet ports, and one GUI workstation software license. One UL-listed monitor required per workstation; dual-monitor capable (monitors sold separately).

ONYXWORKS-W: UL-Listed PC, ONYXWorks View+Ctrl+Paging Software, Std Wire PC Card. UL-Listed Monitor and Mic not included.

ONYXWORKS-F: UL-Listed PC, ONYXWorks View+Ctrl+Paging Software, Std Fiber PC Card. UL-Listed Monitor and Mic not included.

ONYXWORKS-HNW-2: UL-Listed PC, ONYXWorks View+Ctrl+Paging Software, HS Wire PC Card. UL-Listed Monitor and Mic not included.

ONYXWKS-HNSF: UL-Listed PC, ONYXWorks View+Ctrl+Paging Software, HS Single Mode Fiber PC Card. UL-Listed Monitor and Mic not included.

ONYXWKS-HNMF: UL-Listed PC, ONYXWorks View+Ctrl+Paging Software, HS Multi Mode Fiber PC Card. UL-Listed Monitor and Mic not included.

SCS-ONYXWKS-HNW-2: UL-Listed PC, ONYXWorks View+Smoke Ctrl Software, HS Wire PC Card. UL-Listed Monitor not included.

SCS-ONYXWORKS-HNSF: UL-Listed PC, ONYXWorks View+Smoke Ctrl Software, HS Single Mode Fiber PC Card. UL-Listed Monitor not included.

SCS-ONYXWORKS-HNMF: UL-Listed PC, ONYXWorks View+Smoke Ctrl Software, HS Multi Mode Fiber PC Card. UL-Listed Monitor not included.

MON-24LCDW: UL-listed 24” widescreen HD LED color monitor with integrated speakers.

MON-24LCDW-TS: UL-listed 24” widescreen HD LED color touchscreen monitor with integrated speakers.

MON-43LCDW: UL-listed 43” widescreen HD LED color monitor with integrated speakers.

MON-43LCDW-TS: UL-listed 43” widescreen HD LED color touchscreen monitor.

NFN-GW-PC-F: NFN Gateway PC card with fiber.

NFN-GW-PC-W: NFN Gateway PC card with wire.

NFN-GW-EM-3: NFN Gateway, embedded.

NFN-GW-PC-HNSF: High-speed NFN Gateway PC card for single-mode fiber.

NFN-GW-PC-HNMF: High-speed NFN Gateway PC card for multi-mode fiber.

NFN-GW-PC-HNW-2: High-speed NFN Gateway PC card for wire.

NOTIFY-IP: UL-Listed Microphone, Audio Supervisor Board & Audio Cables.

ONYXWorks View-Only Software. Non-listed software for monitor-only purposes. Requires an Embedded NFN Gateway. PC not included. Minimum hardware requirements:

- Laptop or desktop with Windows 10 operating system
- Intel i7 processor or higher
- 16 GB RAM
- 240 GB hard drive
- USB connection
- TCP/IP Ethernet network adapter
- Speakers
- Uninterruptible Power Supply (UPS) recommended.

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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