



ONYXWorks®
NFN PC Gateway
with HS-NCS
Installation & Operation Manual

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Fire Alarm System Limitations

While a fire alarm system may lower insurance rates, it is not a substitute for fire insurance!

An automatic fire alarm system—typically made up of smoke detectors, heat detectors, manual pull stations, audible warning devices, and a fire alarm control panel with remote notification capability—can provide early warning of a developing fire. Such a system, however, does not assure protection against property damage or loss of life resulting from a fire.

The Manufacturer recommends that smoke and/or heat detectors be located throughout a protected premise following the recommendations of the current edition of the National Fire Protection Association Standard 72 (NFPA 72), manufacturer's recommendations, State and local codes, and the recommendations contained in the Guide for Proper Use of System Smoke Detectors, which is made available at no charge to all installing dealers. These documents can be found at <http://www.systemsensor.com/html/applicat.html>.

A study by the Federal Emergency Management Agency (an agency of the United States government) indicated that smoke detectors may not go off in as many as 35% of all fires. While fire alarm systems are designed to provide early warning against fire, they do not guarantee warning or protection against fire. A fire alarm system may not provide timely or adequate warning, or simply may not function, for a variety of reasons:

Smoke detectors may not sense fire where smoke cannot reach the detectors such as in chimneys, in or behind walls, on roofs, or on the other side of closed doors. Smoke detectors also may not sense a fire on another level or floor of a building. A second-floor detector, for example, may not sense a first-floor or basement fire.

Particles of combustion or "smoke" from a developing fire may not reach the sensing chambers of smoke detectors because:

- Barriers such as closed or partially closed doors, walls, or chimneys may inhibit particle or smoke flow.
- Smoke particles may become "cold," stratify, and not reach the ceiling or upper walls where detectors are located.
- Smoke particles may be blown away from detectors by air outlets.
- Smoke particles may be drawn into air returns before reaching the detector.

The amount of "smoke" present may be insufficient to alarm smoke detectors. Smoke detectors are designed to alarm at various levels of smoke density. If such density levels are not created by a developing fire at the location of detectors, the detectors will not go into alarm.

Smoke detectors, even when working properly, have sensing limitations. Detectors that have photo-electronic sensing chambers tend to detect smoldering fires better than flaming fires, which have little visible smoke. Detectors that have ionizing-type sensing chambers tend to detect fast-flaming fires better than smoldering fires. Because fires develop in different ways and are often unpredictable in their growth, neither type of detector is necessarily best and a given type of detector may not provide adequate warning of a fire.

Smoke detectors cannot be expected to provide adequate warning of fires caused by arson, children playing with matches (especially in

bedrooms), smoking in bed, and violent explosions (caused by escaping gas, improper storage of flammable materials, etc.).

Heat detectors do not sense particles of combustion and alarm only when heat on their sensors increases at a predetermined rate or reaches a predetermined level. Rate-of-rise heat detectors may be subject to reduced sensitivity over time. For this reason, the rate-of-rise feature of each detector should be tested at least once per year by a qualified fire protection specialist. Heat detectors are designed to protect property, not life.

IMPORTANT! Smoke detectors must be installed in the same room as the control panel and in rooms used by the system for the connection of alarm transmission wiring, communications, signaling, and/or power. If detectors are not so located, a developing fire may damage the alarm system, crippling its ability to report a fire.

Audible warning devices such as bells may not alert people if these devices are located on the other side of closed or partly open doors or are located on another floor of a building. Any warning device may fail to alert people with a disability or those who have recently consumed drugs, alcohol or medication. Please note that:

- Strobes can, under certain circumstances, cause seizures in people with conditions such as epilepsy.
- Studies have shown that certain people, even when they hear a fire alarm signal, do not respond or comprehend the meaning of the signal. It is the property owner's responsibility to conduct fire drills and other training exercise to make people aware of fire alarm signals and instruct them on the proper reaction to alarm signals.
- In rare instances, the sounding of a warning device can cause temporary or permanent hearing loss.

A fire alarm system will not operate without any electrical power. If AC power fails, the system will operate from standby batteries only for a specified time and only if the batteries have been properly maintained and replaced regularly.

Equipment used in the system may not be technically compatible with the control panel. It is essential to use only equipment listed for service with your control panel.

Telephone lines needed to transmit alarm signals from a premise to a central monitoring station may be out of service or temporarily disabled. For added protection against telephone line failure, backup radio transmission systems are recommended.

The most common cause of fire alarm malfunction is inadequate maintenance. To keep the entire fire alarm system in excellent working order, ongoing maintenance is required per the manufacturer's recommendations, and UL and NFPA standards. At a minimum, the requirements of NFPA 72 shall be followed. Environments with large amounts of dust, dirt or high air velocity require more frequent maintenance. A maintenance agreement should be arranged through the local manufacturer's representative. Maintenance should be scheduled monthly or as required by National and/or local fire codes and should be performed by authorized professional fire alarm installers only. Adequate written records of all inspections should be kept.

Installation Precautions

Adherence to the following will aid in problem-free installation with long-term reliability:

WARNING - Several different sources of power can be connected to the fire alarm control panel. Disconnect all sources of power before servicing. The control unit and associated equipment may be damaged by removing and/or inserting cards, modules, or interconnecting cables while the unit is energized. Do not attempt to install, service, or operate this unit until this manual is read and understood.

CAUTION - System Reacceptance Test after Software Changes. To ensure proper system operation, this product must be tested in accordance with NFPA 72 after any programming operation or change in site-specific software. Reacceptance testing is required after any change, addition or deletion of system components, or after any modification, repair or adjustment to system hardware or wiring.

All components, circuits, system operations, or software functions known to be affected by a change must be 100% tested. In addition, to ensure that other operations are not inadvertently affected, at least 10% of initiating devices that are not directly affected by the change, up to a maximum of 50 devices, must also be tested and proper system operation verified.

This system meets NFPA requirements for operation at 0°C to 49°C (32°F to 120°F) and at a relative humidity 93% ± 2% RH (non-condensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and all peripherals be installed in an environment with a nominal room temperature of 15-27° C/60-80° F.

Verify that wire sizes are adequate for all initiating and indicating device loops. Most devices cannot tolerate more than a 10% I.R. drop from the specified device voltage.

Like all solid state electronic devices this system may operate erratically or can be damaged when subjected to lightning-induced transients. Although no system is completely immune from lightning transients and interferences, proper grounding will reduce susceptibility. Overhead or outside aerial wiring is not recommended, due to an increased susceptibility to nearby lightning strikes. Consult with the Technical Services if any problems are anticipated or encountered.

Disconnect AC power and batteries prior to removing or inserting circuit boards. Failure to do so can damage circuits.

Remove all electronic assemblies prior to any drilling, filing, reaming, or punching of the enclosure. When possible, make all cable entries from the sides or rear. Before making modifications, verify that they will not interfere with battery, transformer, and printed circuit board location.

Do not tighten screw terminals more than 9 in-lbs. Over-tightening may damage threads, resulting in reduced terminal contact pressure and difficulty with screw terminal removal.

Though designed to last many years, system components can fail at any time. This system contains static-sensitive components. Always ground yourself with a proper wrist strap before handling any circuits so that static charges are removed from the body. Use static-suppressive packaging to protect electronic assemblies removed from the unit.

Follow the instructions in the installation, operating, and programming manuals. These instructions must be followed to avoid damage to the control panel and associated equipment. FACP operation and reliability depend upon proper installation by authorized personnel.

FCC Warning

WARNING: This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for class A computing device pursuant to Subpart B of Part 15 of FCC Rules, which is designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user will be required to correct the interference at his own expense.

Canadian Requirements: This digital apparatus does not exceed the Class A limits for radiation noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications. This Class A digital apparatus complies with Canadian ICES-003.

Le present appareil numerique n'emet pas de bruits radio-electriques depassant les limites applicables aux appareils numeriques de la classe A prescrites dans le Reglement sur le brouillage radioelectrique edicte par le ministere des Communications du Canada. Cet appareil numerique de la classe A est conforme a la norme NMB-003 du Canada.

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Section 1 NFN PC Gateway Overview



NOTE: In this document, unless expressly written otherwise, when the term ONYXWorks® Workstation or Workstation is used those terms refer to the software application and the computer it is installed on as one.

1.1 Product Description

This gateway:

- Serves as a bridge between an ONYXWorks® Workstation and a NFN network, and it uses that Workstation as the primary reporting station for the NFN network.
- Translates a NFN network's panel and device data into data that can be interpreted by the ONYXWorks® Workstation software application.
- Monitors NFN networks using Peer to Peer network architecture.
- Is configured using the NFN PC Gateway Configuration Tool.

The NFN PC Gateway enables remote users to monitor a NFN network with a Workstation that is registered on your IP network. The gateway is used in conjunction with Veri•Fire™ Tools software application to upload/download data to a panel without having to physically visit the panel.

The NFN PC Gateway acts like any other node on a NFN network and is compatible with the following node type.

Table 1.1 NFN Network Compatibility Table

NFN Network Node Type	Network Board Used
BACnet Gateway	HS-NCM-W/SF/MF
BACnet Gateway-2	HS-NCM-W/SF/MF
DVC	HS-NCM-W/SF/MF
NFS-320	HS-NCM-W/SF/MF
NFS-640	HS-NCM-W/SF/MF
NFS2-640	HS-NCM-W/SF/MF
NFS-3030	HS-NCM-W/SF/MF
NFS2-3030	HS-NCM-W/SF/MF
NFN Web Server	HS-NCM-W/SF/MF
NCA-2	HS-NCM-W/SF/MF

1.2 NFN PC Gateway System Architecture

An ONYXWorks® system must have at least one Workstation. A Workstation can monitor or control a node and its points on the NFN network through the gateway. Refer to [Figure 1.1](#) and [Figure 1.2](#) for network diagrams.

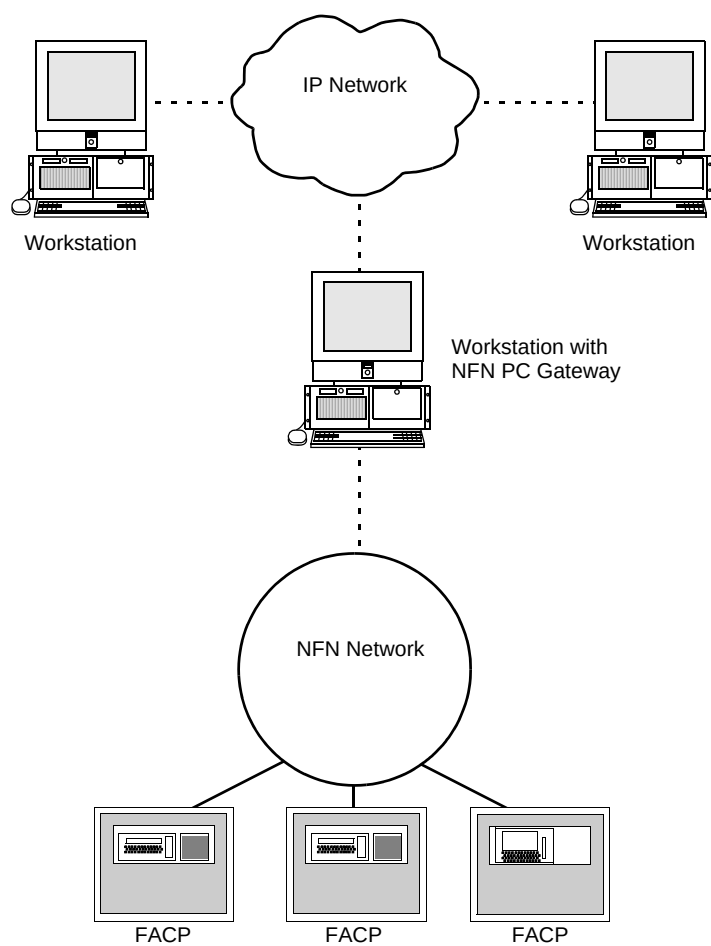


Figure 1.1 ONYXWorks® System Example 1- One NFN Network

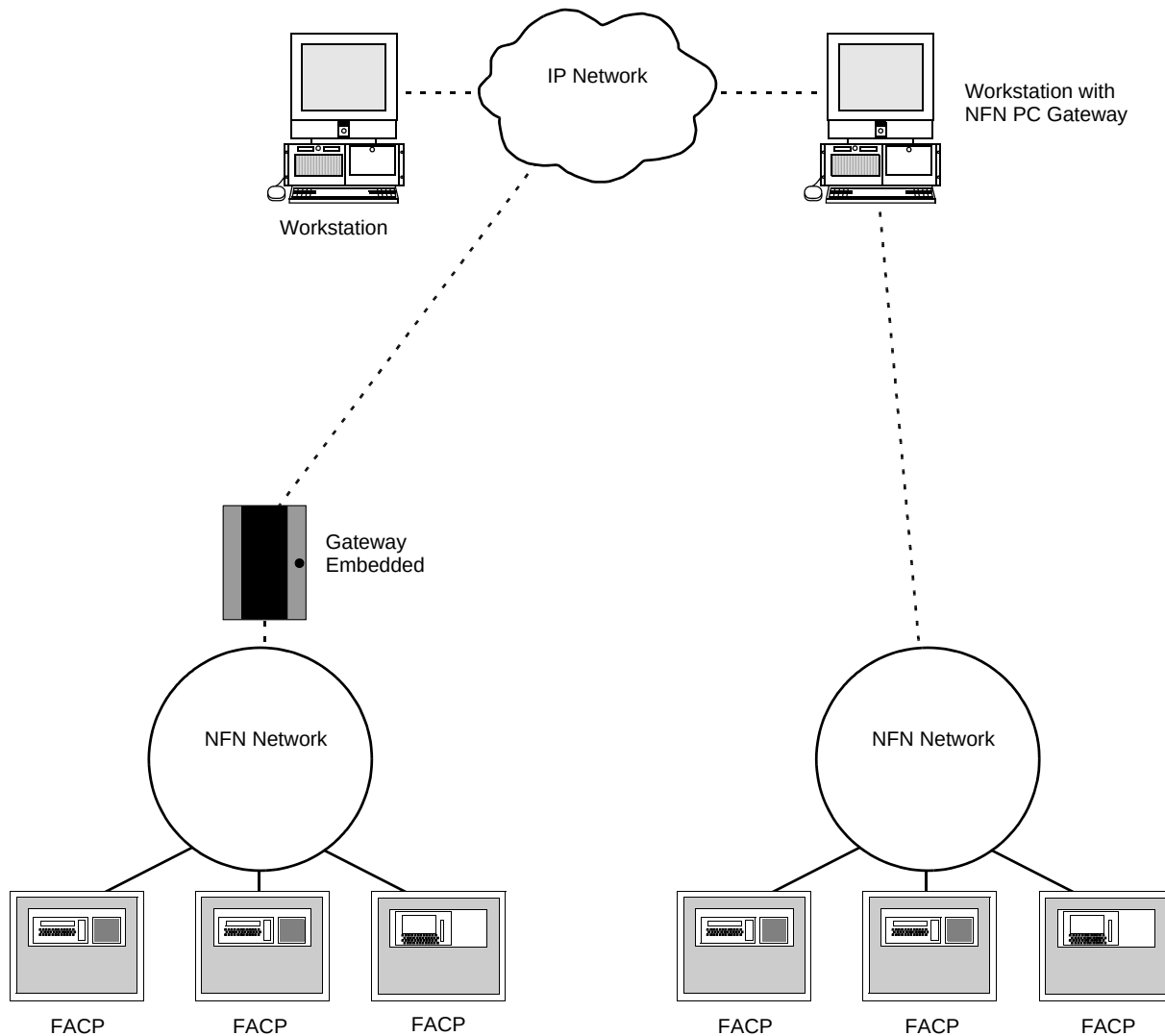


Figure 1.2 ONYXWorks® System Example 2 - Multiple NFN Networks

1.2.1 About Ethernet Network Installations

The ONYXWorks® Workstation is a Proprietary Supervising Station that has a supervised client server architecture that communicates over Ethernet (TCP/IP) networks. The IP network can be a shared bandwidth system that operates over topologies such as an intranet, the Internet, or a frame relay system. ULC does not allow operation over an Internet connection.

ONYXWorks® clients, in the most basic system, can co-exist on one computer. For more powerful systems, multiple computers can be networked together over the IP network running multiple instances of the Workstation software application or other clients and gateways.

If the Workstation or gateway are sharing on-premises communications equipment, the shared equipment shall be “listed for the purpose”. “Listed for the purpose” has been formally interpreted by NFPA (Formal Interpretation 72-99-1) for equipment on packet switched networks as being listed to the requirements applicable to general purpose communications network equipment.

For ULC applications, the Internet cannot be used for either primary or ancillary functionality.

1.3 ONYXWorks® System/NFN PC Gateway Requirements

An ONYXWorks® system may be comprised of one or more Workstations. An ONYXWorks® system can utilize Pentium III UL 864 listed computers from existing NOTIFIER® systems.

1.3.1 Network Interface Card

A Network Interface Card must be present in the ONYXWorks® system for the NFN PC Gateway to function correctly. It can be factory installed in or retrofitted into a Workstation computer on the ONYXWorks® system. Here are the some of the part numbers that can be used when ordering a NFN PC Gateway configuration.

ONYXWORKS-WS	• UL 864 or ULC-S527-99 listed computer. • ONYXWorks® Workstation software application factory installed. • Call Customer Service to choose specific components to be installed (such as Network Interface Card, media channel specific (wire/fiber)).
NFN-GW-PC-HNW NFN-GW-PC-HNSF NFN-GW-PC-HNMF	• High Speed Network Interface Card alone – To be retrofitted into a Workstation software application cable computer. – Refer to “Network Interface Card Installation Procedure” on page 18 for installation information.

1.3.2 Workstation Power Supply Supervision

The use of a supervised 115VAC, regulated, UL 1481 listed, power limited Uninterruptible Power Supply (UPS) is required for the Workstation computer. For more information, refer to “Section 2: Hardware, Printer and Power Connections”, in the Workstation Installation and Operation Manual.

1.4 Agency Listings



NOTE:

UL 864, 9th Edition—ONYXWorks® systems work with products that have been UL 864, 9th Edition listed as well as products that have not received UL 864, 9th Edition certification. Operation of systems that are comprised of equipment that is UL 864, 9th Edition listed together with products that are not UL 864, 9th Edition listed requires the approval of the local Authority Having Jurisdiction (AHJ).

CAN/ULC-S559-04, 1st Edition—ONYXWorks® systems work with products that have been CAN/ULC-S559-04, 1st Edition listed as well as products that have not received CAN/ULC-S559-04, 1st Edition certification. Operation of systems that are comprised of equipment that is CAN/ULC-S559-04, 1st Edition listed together with products that are not CAN/ULC-S559-04, 1st Edition listed requires the approval of the local Authority Having Jurisdiction (AHJ).

1.4.1 Compliance

This product has been investigated to, and found to be in compliance with the following standards.

National Fire Protection Association

- **NFPA 72**—National Fire Alarm Code

Underwriters Laboratories

- **UL-864**—Control Units for Fire Alarm Systems, Ninth Edition
- **UL-1076**—Proprietary Burglar Alarm Units and Systems, Fifth Edition
- **UL-2017**—General-Purpose Signaling Devices and Systems, First Edition

Underwriters Laboratories Canada

- **CAN/ULC-S527-99**—Standard for Control Units for Fire Alarm Systems, Second Edition

- **CAN/ULC-S559-04**—Equipment for Fire Signal Receiving Centres and Systems, First Edition

1.4.2 Installation

This product is intended to be installed in accordance with the following regulatory agencies.

Local

- **AHJ**—Authority Having Jurisdiction

National Fire Protection Association

- **NFPA 70**—National Electrical Code
- **NFPA 72**—National Fire Alarm Code
- **NFPA 101**—Life Safety Code

Underwriters Laboratories

- **UL-1076**—In certified applications, the unit shall be installed in accordance with Proprietary Burglar Alarm Units and Systems, Fifth Edition

Underwriters Laboratories Canada

- **CAN/ULC-S524-06**—Standard for the Installation of Fire Alarm Systems, Fifth Edition
- **CAN/ULC-S561-03**—Installation and Services for Fire Signal Receiving Centres and Systems, First Edition

Canada

- **CSA C22.1**—Canadian Electrical Code, Part I, Safety Standard for Electrical Installations



WARNING: Installation

Improper installation, maintenance, and lack of routine testing could result in system malfunction.

1.5 Environmental Requirements

This product must be installed in the following environmental conditions:

- Temperature range of 0°C to 49°C (32°F - 120°F).
- 93% humidity non-condensing at 30°C (86°F).

1.6 Related Documentation

The following documentation resources is related to the ONYXWorks® system.

- *ONYXWorks® Workstation Manual (P/N 52342)*
- *ONYXWorks® Configuration Tool (P/N 53038)*



NOTE: The contents of this manual are important and must be kept in close proximity of the Workstation. If building ownership is changed, this manual including all other testing and maintenance information must also be passed to the current owner of the facility. A copy of this manual was shipped with the equipment and is also available from the manufacturer.

Section 2 NFN PC Gateway Configuration



CAUTION: Multiple NFN PC Gateway Installations

NFN PC Gateways should be installed and configured one at a time because all NFN PC Gateway use the same default IP address and node number.



NOTE: This version of the NFN PC Gateway must be installed in an ONYXWorks® system 3.11 and later.

Refer to [“ONYXWorks® System/NFN PC Gateway Requirements” on page 10](#) for flow diagram of this process.

2.1 NFN PC Gateway Software Installation

Use the Workstation software application CD-ROM to install the NFN PC Gateway Configuration Tool. Typically the CD-ROM automatically starts. Always use the default settings if prompted.

2.1.1 Required Equipment

This NFN PC Gateway requires the following:

Requirement	Description
NFN PC Gateway (v3.11 or later)	• The ONYXWorks® Workstation computer, which is a UL or ULC listed computer (depending on location) that is appropriate for use with fire protective signaling units • Workstation software application v3.11 or later (factory installed) • ONYXWorks® Workstation software application with its Operating Mode set to Supervising Station • Network Interface Card (factory installed): – NFN-GW-PC-HNW for wire – NFN-GW-PC-HNSF for single mode fiber – NFN-GW-PC-HNMF for multimode fiber • NFN PC Gateway software application (factory installed) • NFN PC Gateway option enabled USB Hardlock Key plugged into the Workstation
NFN Network (v5.0 or later).	Functioning network

2.1.2 NFN PC Gateway Power Supply Connection

Table 2.1 Power Supply Specifications

	NOMINAL
Input Voltage	+24VDC
Input Current @ +24VDC	400 mA

Table 2.1 Power Supply Specifications

The NFN PC Gateway requires +24VDC @400mA nominal and supervised battery backup in accordance with local code requirements. Outside Canada, the NFN PC Gateway can be powered by any regulated, UL 1481 listed, power limited, battery backed, +24VDC power supply. For Canadian installation, The NFN PC Gateway must be powered by a ULC listed Fire Alarm Control Unit or a ULC listed power supply for fire application. Conform to UL or ULC standards as applicable in your area

2.1.3 Wiring Restrictions



NOTE: All wiring connections are supervised and power limited.

Ethernet

- Line Impedance 100 ohm
- Max Distance 100 meters

USB

- Line Impedance 90 ohm $\pm 15\%$
- Max Distance 40 meters

2.1.4

Table 2.2 Wiring Standards

Primary Power -	
24 VDC nominal operating voltage	0.351mA maximum current
Network Communication -	
Communication Circuit (Twisted Pair Wire)- NFN-GW-PC-HNW	
Supervised	17.5 ohm maximum line impedance
Power limited	Class A/B
10 VDC, 25 mA	
Communication Circuit 62.5/120um Multi-Mode (Fiber-Optics) - NFN-GW-PC-HNMF	
10 dB maximum attenuation between nodes	Class A/B
Supervised	
Communication Circuit 50/125um Multi-Mode (Fiber-Optics) - NFN-GW-PC-HNMF	
6.5 dB maximum attenuation between nodes	Class A/B
Supervised	
Communication Circuit Single-Mode (Fiber-Optics) - NFN-GW-PC-HNSF	
30 dB maximum attenuation between nodes	Class A/B
Supervised	
Intranet Communication -	
Ethernet	TCP/IP
Supervised	Power limited

2.2 About the Network Interface Card Installation

The Network Interface Card is a PCI PC card plugs into any vacant PCI slot into ONYXWorks® Workstation (v3.11 or later). It draws its power from the Workstation computer itself. The card is connected to NFN network through its network port.

**CAUTION: Ferrite Beads**

The ferrite beads shipped with the NFN PC Gateway must be attached when the NFN connection is made. For more information, refer to [“NFN Network Connection” on page 19](#).

- The NFN-GW-PC-HNW card uses a twisted media pair of wires for the connection to the NFN network. One wire connects to one of the CH A pins, the other to the other CH A pin. When using Style 4, use CH A and CH B pins.
- The NFN-GW-PC-HNSF and NFN-GW-PC-HNMF cards use fiber cable to connect the Transmit (TX) and Receive (RX) pins of one channel to the corresponding pins on the next NFN PC Gateway network card.

Once a respective connection is made, the NFN PC Gateway can be configured.

2.2.1 Network Interface Card Layout

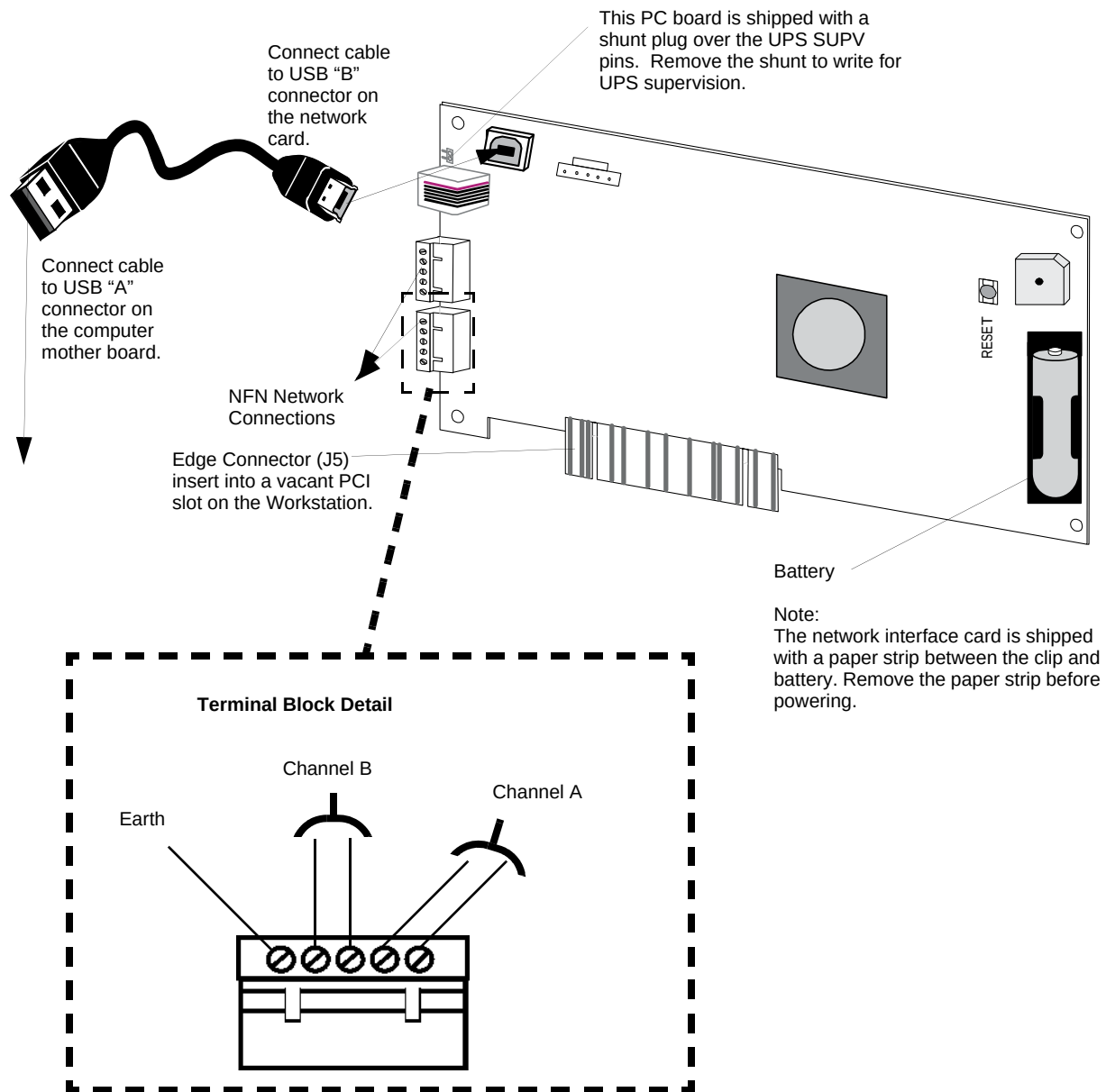
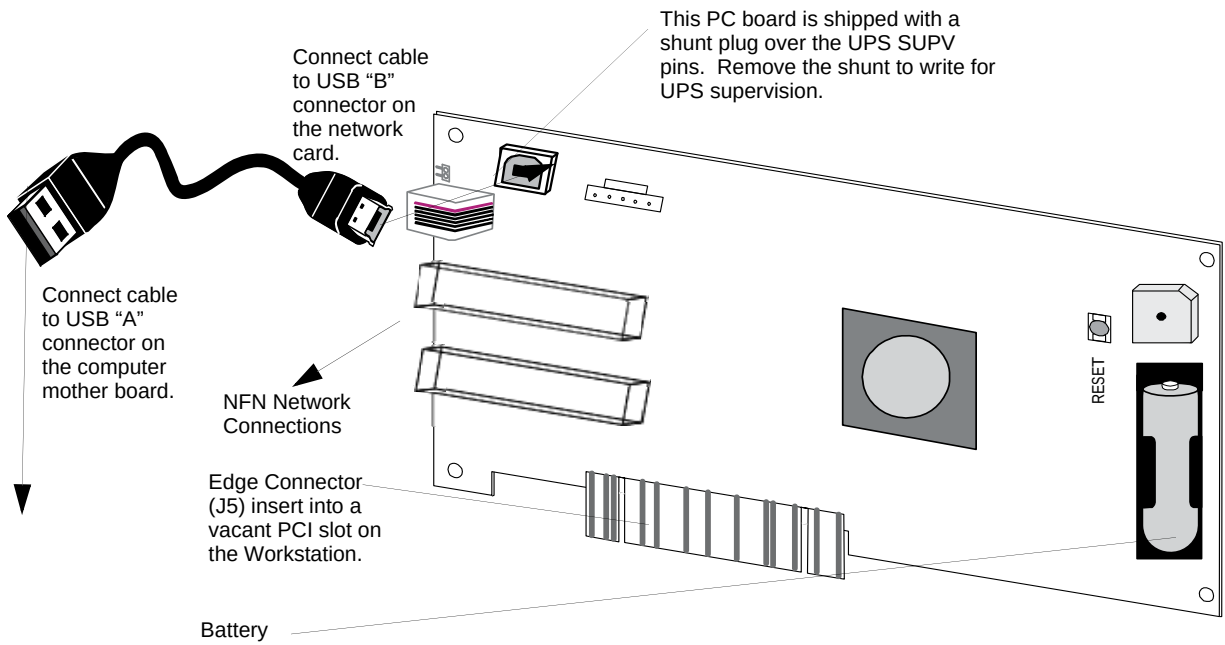


Figure 2.1 NFN-GW-PC-HNW Card Layout

**Note:**

The network interface card is shipped with a paper strip between the clip and battery. Remove the paper strip before powering.

Figure 2.2 NFN-GW-PC-HNSF/MF Card Layout

2.2.2 Network Interface Card Installation Procedure

Typically the Workstation is ordered with the Network Interface Card already installed. However if the card is being retrofitted into an existing Workstation computer use the this information as a guideline to install it.

- Step 1. Shut-down the computer, software then hardware.
- Step 2. Open the computer's cover and locate a vacant PCI slot.
- Step 3. Remove the blank plate and save the screw from the vacant slot.
- Step 4. Insert the Network Interface Card's edge connector into the vacant PCI slot and then secure it with the screw.
- Step 5. You are now ready to perform "[Network Interface Card Cable Connections](#)".

**WARNING: ESD**

These cards contain static sensitive components. Always ground yourself with a proper wrist strap before handling any circuits so that static charges are removed from the body. Use static-suppressive packaging to protect electronic assemblies removed from the unit.

2.2.3 Network Interface Card Cable Connections

The Network Interface Card must be connected to the motherboard of the computer running the Workstation and NFN PC Gateway software. This connection can be made over either USB or NUP.

■ Network Interface Card USB Connection

The Network Interface Card is connected to an available USB slot on the motherboard of the computer running the Workstation and NFN PC Gateway software.

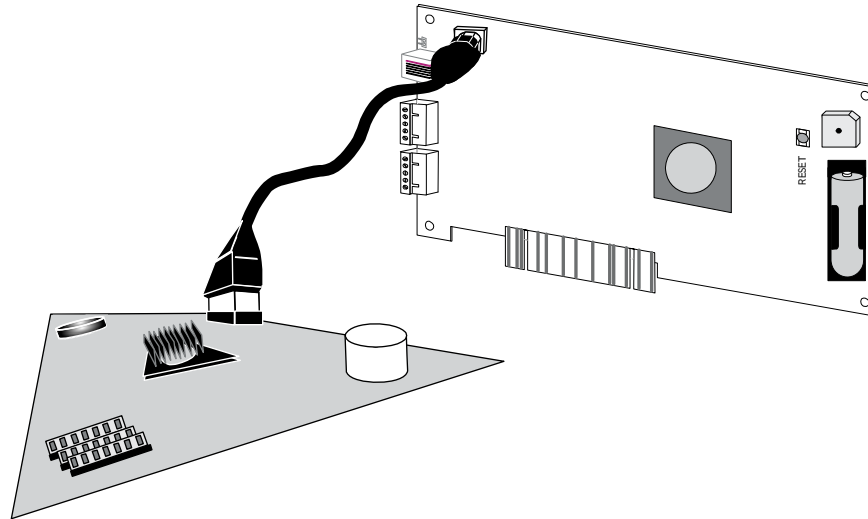


Figure 2.3 Workstation to IP Connection—USB Option

■ Network Interface Card NUP Connection

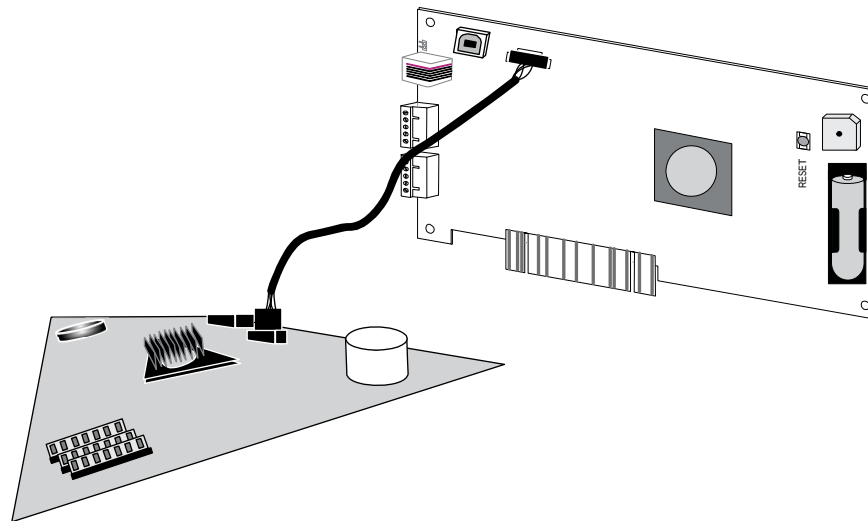
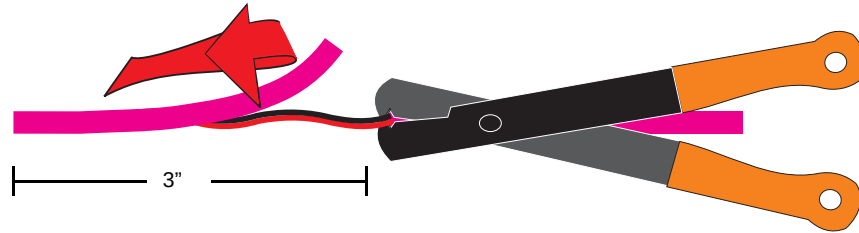


Figure 2.4 Workstation to IP Connection—NUP Option

■ NFN Network Connection

The ferrite beads shipped with the NFN PC Gateway must now be attached. To attach the ferrite beads:

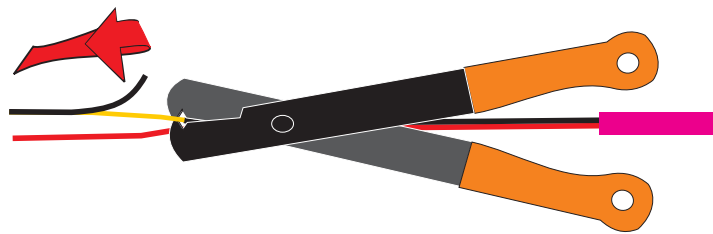
Step 1. Strip 3" of **outer insulation** from the end of the connection wire.



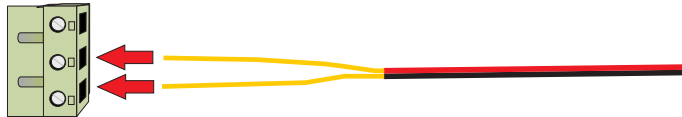
Step 2. Separate the last 0.35" of the **interior wires**.



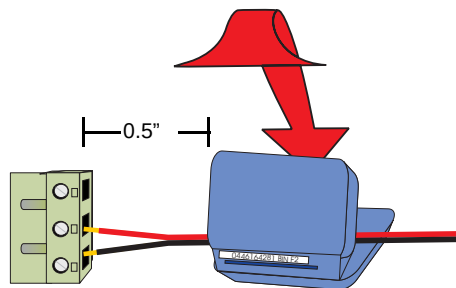
Step 3. Strip the separated ends of the **interior wires**.



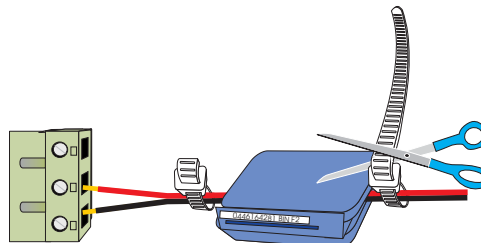
Step 4. Insert the **stripped wire ends** into the terminal block, and then tighten the terminal screws with a screwdriver to secure the connection.



Step 5. Snap one of the included **ferrite beads** onto the connection wire .5" from the terminal block.



Step 6. Fasten the included **tie wraps** on either side of the ferrite bead to secure it, and then cut the loose ends of the tie wraps.



The Network Interface Card is connected to NFN network through its network port using one of the following methods:

- NFN-GW-PC-HNSF and NFN-GW-PC-HNMF are the fiber network interface cards that are connected to the transmit (TX)/Receive (RX) pins of one channel to the corresponding pins on the next network interface card.
- NFN-GW-PC-HNW is the card that uses a twisted media pair or wires are used for the connection. One wire connects to one of the CH A pins, the other to the other CH A pin. When using Style 4, use CH A and CH B pins. The wires connect to the NFN network.

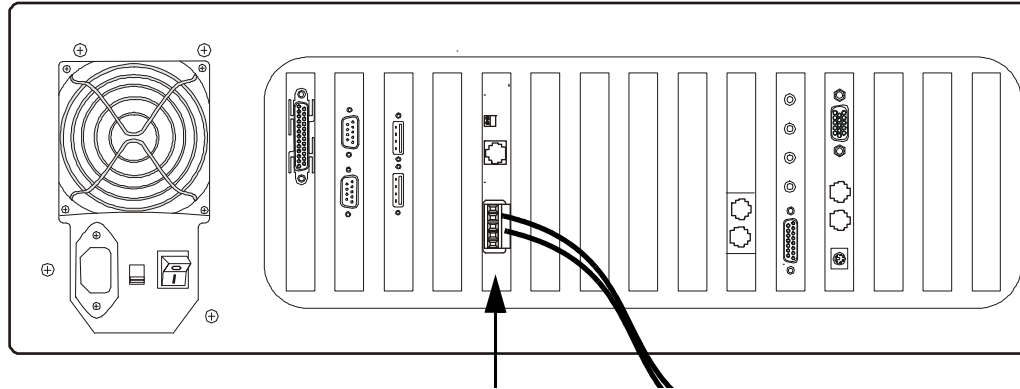


Figure 2.5 Workstation to NFN Network Connection

Section 3 NFN PC Gateway Configuration

3.1 NFN PC Gateway Configuration Web Page

NFN PC Gateway is configured through a dedicated web page running on the gateway itself. Access the configuration web page from a computer in the same IP subnet as the NFN PC Gateway, with Microsoft Internet Explorer 8 or higher installed. The latest version of JAVA must also be installed and enabled.

3.1.1 Configure the NFN PC Gateway

Log into the Web Page

Log into the NFN PC Gateway configuration web page using the following steps:

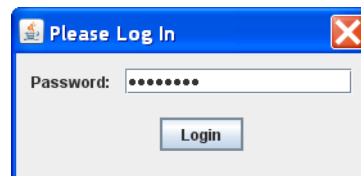
- Step 1. Start Microsoft Internet Explorer.
- Step 2. In the address field, type **http://<the IP address of the Workstation where NFN PC Gateway is installed>**.



NOTE: Depending on the version of Java installed on the configuration computer, a security prompt may appear. Click **NO** to proceed to the configuration web page.

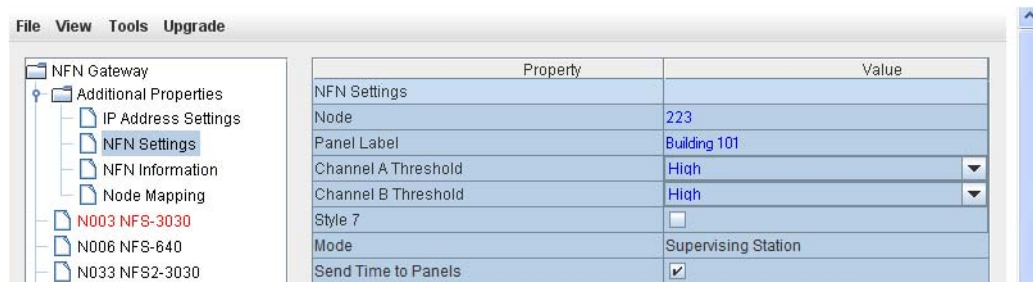


- Step 3. If prompted, click **Run** to enable the applet.
- Step 4. When the Please Log In dialogue opens, type **00000000** (eight zeros) and then click **Login**.



Configure NFN Settings

Click **NFN Settings** under the **Additional Properties** folder in the navigation pane to configure NFN settings.



Node—This property assigns the NFN network address of the NFN PC Gateway.

Panel Label—This can be set to anything.

Channel A and B Threshold—Set these thresholds based on the amount of noise present in the NFN network on the respective channels. Select High for high-noise networks, low for low-noise networks.

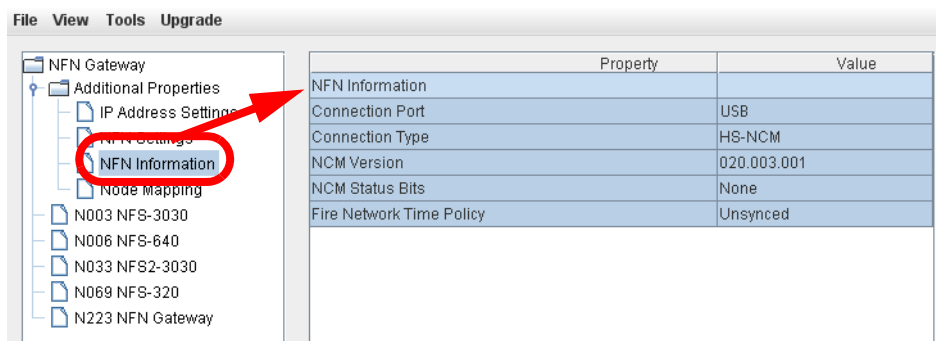
Style 7—Check this box for NFN networks with Style 7 SLC (signaling line circuit) configuration; clear this box for NFN networks with Style 4 SLC configuration.

Mode—The mode the NFN PC Gateway is running in.

Send Time To Panels—When set to True, the NFN PC Gateway sends messages to each panel on the NFN network to synchronize the panel time to the NFN PC Gateway time.

NFN Information

Click **NFN Information** under the **Additional Properties** folder in the navigation pane to view NFN information.



The information provided under the NFN Information heading cannot be changed using the NFN PC Gateway configuration web page.

Connection Port—NFN PC Gateway always connects through the serial port.



NOTE: The Connection Port value appears as "Serial" even if the Connection Type is "disconnected."

Connection Type—Displays the connection type, which can be: HS-NCM, NCM-2, NCM, Direct Connect or Disconnected.

NCM Version—The NCM version number.



NOTE: The NCM Version table row does not appear if the Connection Type is “disconnected.”

NCM Status Bits—Reports the NCM status, which can be: Piezo, UPS Failure, Network Fail Port A, Network Fail Port B, High Speed Audio, NCM Sniffer Mode Active, Local Connection Limit Exceeded, None



NOTE: The NCM Status Bits table row does not appear if the Connection Type is “disconnected”.

Fire Network Time Policy—Always appears as “Unsynced,” since NFN PC Gateway does not synchronize time with the network.

■ Node Properties

Property	Value
Node	33
Version	
Version	014.001.009
NCM Version	020.003.001
HSNCM Kernel	001.003.004
HSNCM Boot	001.000.008
HSNCM Launcher	020.003.001
Boot Loader	014.001.002
LCM	003.000.018
Database	014.001
DB Timestamp	2/16/10 10:01:00 AM
Strings	014.001.002
LCD 160	002.004.011

In the navigation (left) pane, the Configuration web page displays the nodes it is monitoring on the NFN network. The name of each on line monitored node appears in black text. The name of each off line monitored node appears in red text. Click the name of an on line network node to view information about that node.

There are three categories of information listed for each monitored node:

Node number

The first property listed is the NFN network node number of the monitored node. The NFN network node number is read-only; it cannot be changed using the Configuration web page.

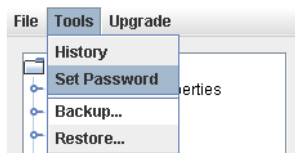
Version information

Hardware and software version information about the monitored node and the devices used to connect it to the NFN network are listed under the light blue Version heading row.

Login Password Settings

The first time the gateway is started the factory default password is used (00000000 - eight zeros), after the initial configuration it is highly recommended that you change the password.

Step 1. Click **Tools** ⇒ **Set Password**.



The Gateway Login (change password) window opens.

A screenshot of a 'Change Password' dialog box. The dialog has a blue title bar with the text 'Change Password' and a red 'X' icon. Inside, there are three text input fields labeled 'Previous Password', 'New Password', and 'Confirm Password'. At the bottom, there are two buttons: 'Change Password' and 'Cancel'.

Figure 3.1 Gateway Login - Change Password Window

- Step 2. Type the previous password in the Previous Password field.
- Step 3. Type a new password in the New Password field:
- Passwords are case-sensitive.
 - Alpha and numeric characters are supported.
 - 1 character minimum and 8 character maximum.
- Step 4. Type the new password in the Confirm Password field.
- Step 5. Click **Change Password**.



NOTE: If you forget your old password, please contact Technical Support to reset the password.

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