

# NS3562-8P-2S-V2 Quick Installation Guide

Figure 1: NS3562-8P-2S-V2 Industrial Managed Switch



## Package contents

Thank you for purchasing the IFS NS3562-8P-2S-V2 industrial managed switch. The description of this model is as follows: Industrial 8-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Gigabit Switch.

Unless specified, the term “industrial managed switch” mentioned in this quick installation guide refers to the NS3562-8P-2S-V2.

Open the box of the industrial managed switch and carefully unpack it. The box should contain the following items:

- The industrial managed switch × 1
- Quick installation guide × 1
- DIN-rail kit × 1
- Magnet kit × 1
- Wall mounting kit × 1
- RJ45 dust cap × 8
- SFP dust cap × 2

If any item is found missing or damaged, please contact your local reseller for replacement.

## Requirements

- Workstations running Windows® 10 / 7 / 8 / 2008 / Vista / 2003 / XP, MAC OS X or later, Linux, UNIX, or other platforms are compatible with TCP/IP protocols
- Workstations are installed with Ethernet NIC (Network Interface Card)
- Ethernet Port Connection
  - Network cables - Use standard network (UTP) cables with RJ45 connectors.
  - The above workstation has a Web browser and JAVA runtime environment plug-in installed.

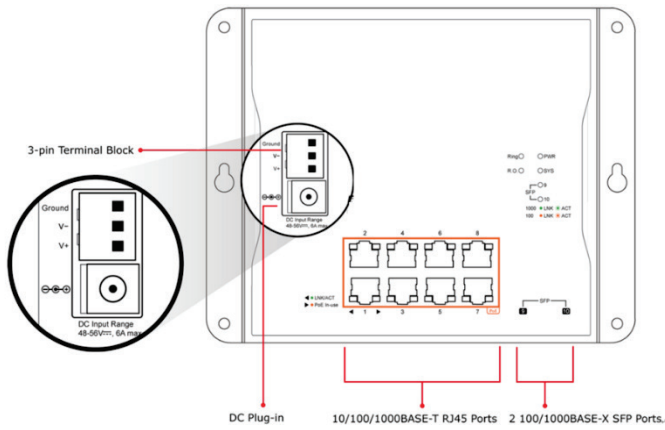
**Note:** We recommend using Internet Explorer 11.0 or later to access the industrial managed switch. If the Web interface of the industrial managed switch is not accessible, turn off the anti-virus software or firewall and then try it again.

## Wiring the power inputs

The industrial managed switch features a strong dual power input system (terminal block and DC jack) to enhance system reliability and uptime.

Range model	Power Input	
	3-pin terminal block	DC jack
<b>NS3562-8P-2S-V2</b>	48~56 VDC	48~56 VDC

Figure 2: DC power input

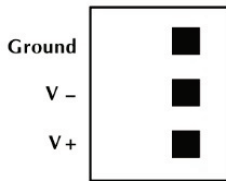


V+ = Positive / V- = Negative / Ground

### Terminal block connector pinout

To install the 3-pin terminal block connector on the industrial managed switch, follow these steps:

1. Insert positive DC power wire into **V+**, negative DC power wire into **V-**, and grounding wire into **Ground**.



2. Tighten the wire-clamp screws for preventing the wires from loosening and plug into the industrial managed switch.

### Note:

1. The wire gauge should be in the range from 12 to 24 AWG.
2. The device must be grounded.

## Mounting

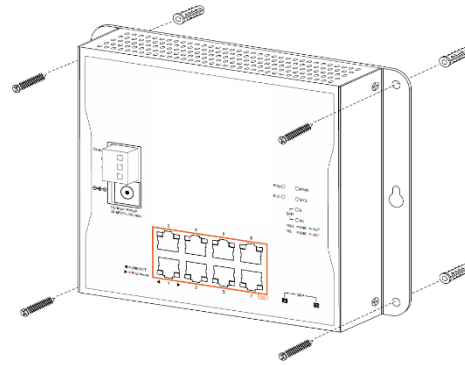
**Note:** Ensure that the industrial managed switch is mounted vertically with the air holes on the top and a minimum of three inches above and below the switch to allow for proper air flow. This device uses a convection flow of hot air which rises and brings cold air in from the bottom and out of the top of the device. Do not mount the switch horizontally as this does not allow air to flow up into the device and will result in damage to the switch. Do not tie DC1 to DC2. DC2 is for secondary power redundancy. Do not plug DC power into the device while the AC power cord is plugged in. This is not a hot-swappable switch. Hot-swapping this device will result in damage.

## Wall mount installation

To install the industrial managed switch on the wall, follow these steps:

1. There are four holes with an 8 mm diameter on the wall; the distance between the two holes is 133 mm and the line through them must be horizontal.
2. Install a conductor pipe inside the board hole and flush the edge of the conductor pipe with the wall surface.
3. Screw the bolts into the conductor pipe. The industrial managed switch is between the bolts and conductor pipe, as shown below.

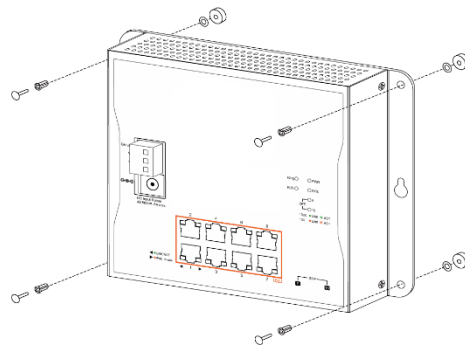
Figure 3: Wall mount installation



## Magnet installation

Figure 4 below demonstrates how to install the industrial managed switch on a magnetic surface.

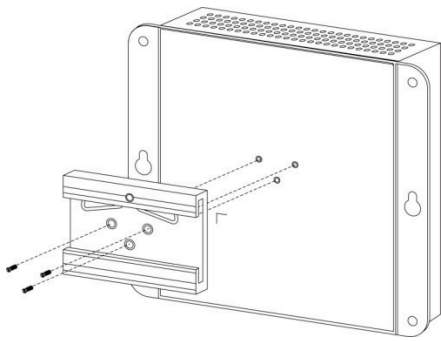
Figure 4: Magnet installation



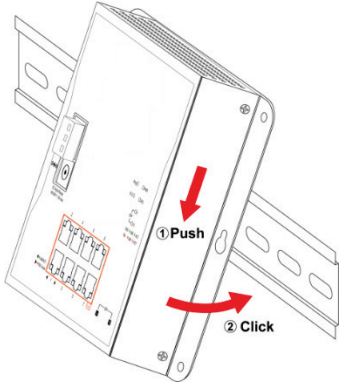
## DIN-rail mount installation

The DIN-rail kit is included in the package. When the industrial application for the industrial managed switch needs to be replaced with a DIN-rail application, refer to the following illustrations to screw the DIN-rail on the industrial managed switch. To hang up the industrial managed switch, follow the steps below:

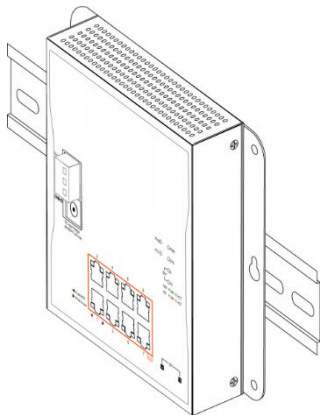
1. Screw the DIN-rail on the industrial managed switch.



2. Lightly insert the button of the DIN-rail into the track.



3. Ensure that the DIN-rail is secured tightly on the track.

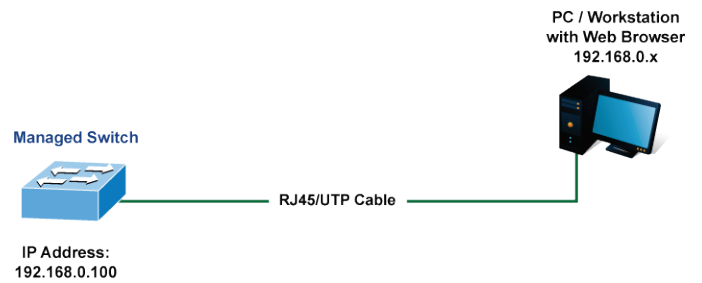


## Starting Web management

The following section describes how to start up the Web management function of the industrial managed switch. Note that the industrial managed switch is configured through an Ethernet connection. Ensure that the manager computer is set to the same IP subnet address.

For example, if the default IP address of the industrial managed switch is 192.168.0.100, then the manager computer should be set to 192.168.0.x (where x is a number between 1 and 254, except 100) and the default subnet mask is 255.255.255.0.

Figure 5: IP management diagram



## Logging in to the industrial managed switch

1. Use the Internet Explorer 11.0 or later Web browser and type the IP address `http://192.168.0.100` to access the Web interface.
2. When the following dialog box appears, type the default user name "admin" and password "admin" (or the password you have changed before) as shown in Figure 8 below.

Default IP Address: **192.168.0.100**

Default User Name: **admin**

Default Password: **admin**

**Note:** Before connecting to a TruVision Navigator video surveillance system network, the default IP address must be changed to the IP address assigned for TruNav by the network administrator.

Figure 6: Login screen

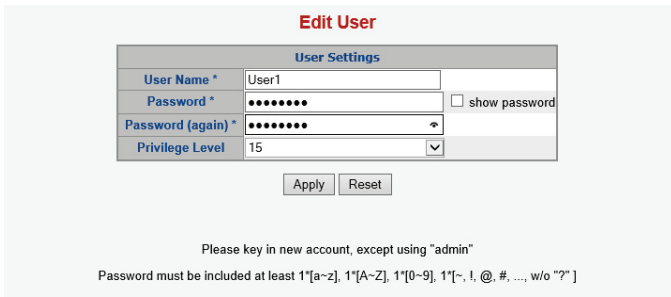
Authentication required

`http://192.168.0.100`  
Your connection to this site is not private

Username

Password

3. If logged in to the switch via web or console with the default account (admin / admin), a warning message appears to notify the user to change the user name and password. Click **OK**.
4. Type a new user name and password in the Edit User page, following the guidelines as shown. Click **Apply**.

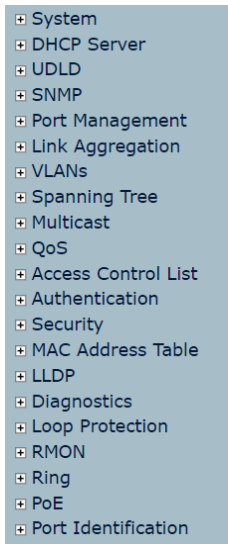


5. After typing the password, the main screen appears as shown in Figure 9 below.

Figure 7: Main web interface screen



6. The switch menu on the left side of the web page permits access to all the functions and status provided by the managed switch.



Refer to the User Manual for further information about using the web management interface.

**Note:** For security purposes, change and memorize the new password after this first setup.

## Saving configuration via the Web

In the industrial managed switch, the running configuration file is stored in the RAM. In the current version, the running configuration sequence of running-config can be saved from the RAM to FLASH by the by executing the Save Startup Config command. After doing this, the running configuration sequence becomes

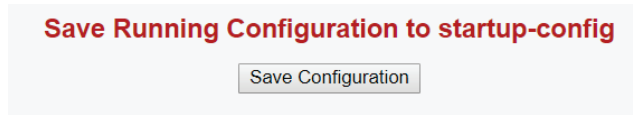
the startup configuration file (i.e., the saved configuration).

To save all applied changes and set the current configuration as a startup configuration; the startup-configuration file will be loaded automatically across a system reboot.

1. Click **System > Save Startup Config**.



2. Click the **Save Configuration** button.

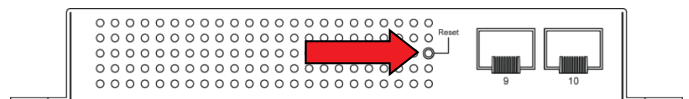


## Reset to default configuration

If an IP address has been changed or an admin password has been forgotten, the IP address can be reset.

To reset the IP address to the default IP address “192.168.0.100” or reset the login password to default value, press the **RESET** button on the front panel for about five seconds. After the device is rebooted, log in to the management web interface within the same subnet of 192.168.0.xx.

Figure 8: NS3562-8P-2S-V2 Reset Button



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**Product documentation** Please consult the following web link to retrieve the electronic version of the product documentation. The manuals are available in several languages.

