IFS NS3552-8P-2S and NS3550-2T-8S Quick Installation Guide

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Version This document applies to IFS NS3552-8P-2S version 1.0.

Certification CE N4131

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

ACMA compliance **Notice!** This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Canada

This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme á la norme NMB-003du Canada.

European Union directives

2004/108/EC (EMC directive): Hereby, UTC Fire & Security declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC

2002/96/EC (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

Contact information

For contact information, see www.interlogix.com or www.utcfssecurityproducts.eu.

Content

1. Package Content

IFS Industrial Managed Switches (-40~75 degree C) are managed switches with multiple Gigabit copper ports or Gigabit SFP mini-GBIC slots with connective ability and robust layer 2 features. The description of thes models is as follows:

NS3552-8P-2S: Industrial 8-Port 10/100/1000T 802.3af/at PoE + 2-Port 100/1000X SFP Managed Switch

NS3550-2T-8S Industrial 8-port Gigabit Fiber (SFP) Industrial Managed Switch + 2 10/100/1000T (-40~75 degrees C)

The term "**Industrial Managed Switch**" mentioned in this Quick Installation Guide represents the above two models This manual represents multiple products which have similar features and functions, however there may be some differences between products such as the number or type of connectivity ports and PoE functions.

Open the box of the **Industrial Managed Switch** and carefully unpack it. The box should contain the following items:

- **The Industrial Managed Switch x 1**
- **Quick Installation Guide x 1**
- **User's Manual CD x 1**
- **DIN Rail Kit x 1**
- **Wall Mounting Kit x 1**
- **DB9 to RJ45 Interface RS232 Console Cable x 1**
- **Dust Cap x 11**

If any of these are missing or damaged, please contact your dealer immediately. If possible, retain the carton including the original packing materials to enable you to repack the product in case there is a need to return it to us for repair.

2. Requirements

The Industrial Managed Switch provides remote login interface for management purposes. The following equipment is necessary for further management:

- **Workstation** installed with Ethernet NIC (Network Interface Card)
- Workstations of subscribers running Windows XP/2003, Vista, Windows 7, MAC OS X, Linux, Fedora, Ubuntu or other platforms compatible with TCP/IP protocols.
  - The above Workstation is installed with Web Browser and JAVA runtime environment Plug-in.
- **Ethernet Port** connection
  - Network cables - use standard network (UTP) cables with RJ-45 connectors.

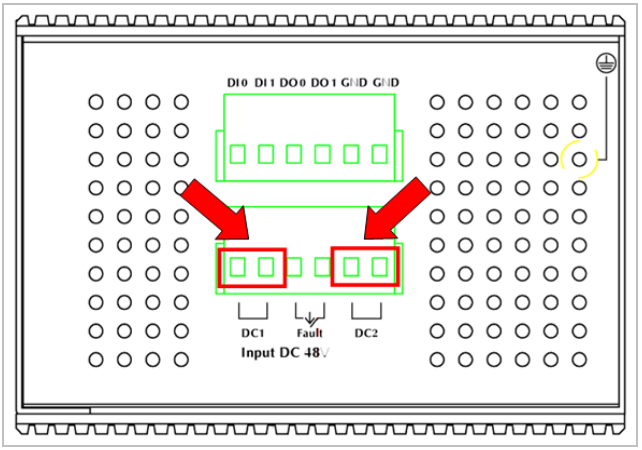
We recommend using Internet Explore 7.0 or above to access the Industrial Managed Switch.

3. Wiring the Power Inputs

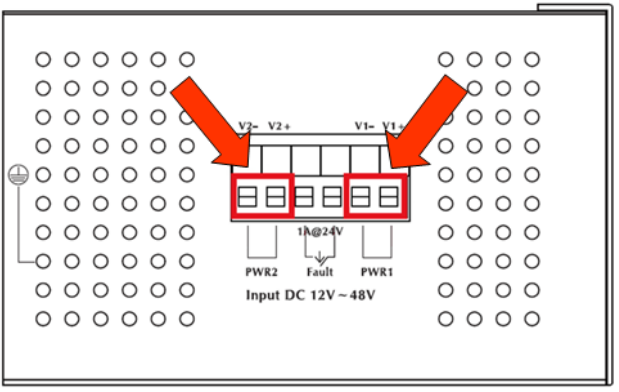
The Upper Panel of the **Industrial Managed Switch** indicates a DC inlet power socket and consist one terminal block connector within 6-contacts. The NS3552-8P-2S accepts input power of 48V DC. The NS3550-2T-8S accepts input power from 12 to 48V DC or AC 24V. Please follow the steps below to insert the power wire.

1. Insert positive / negative DC power wires into the contacts 1 and 2 for POWER 1, or 5 and 6 for POWER 2.

NS3552-8P-2S Upper Panel



NS3550-2T-8S Upper Panel



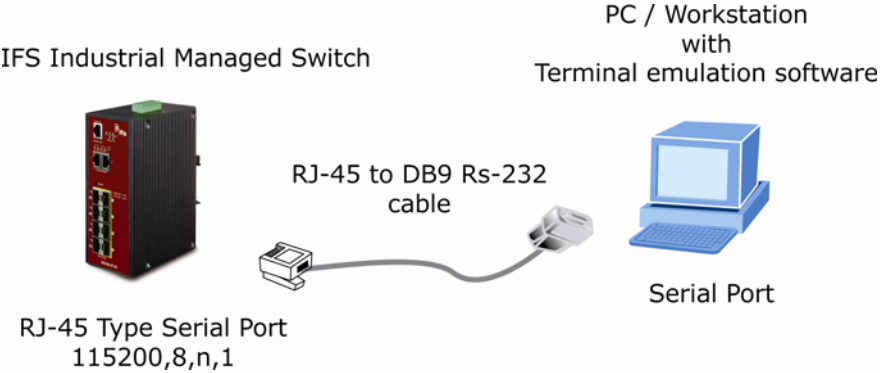
2. Tighten the wire-clamp screws for preventing the wires from loosing.

Note

The wire gauge for the terminal block should be in the range between 12 ~ 24 AWG.

4. Terminal Setup

To configure the system, connect a serial cable to a **COM port** on a PC or notebook computer and to RJ-45 type serial (console) port of the Managed Industrial Switch. The console port of the Managed Industrial Switch is DCE already, so that you can connect the console port directly through PC without the need of Null Modem.

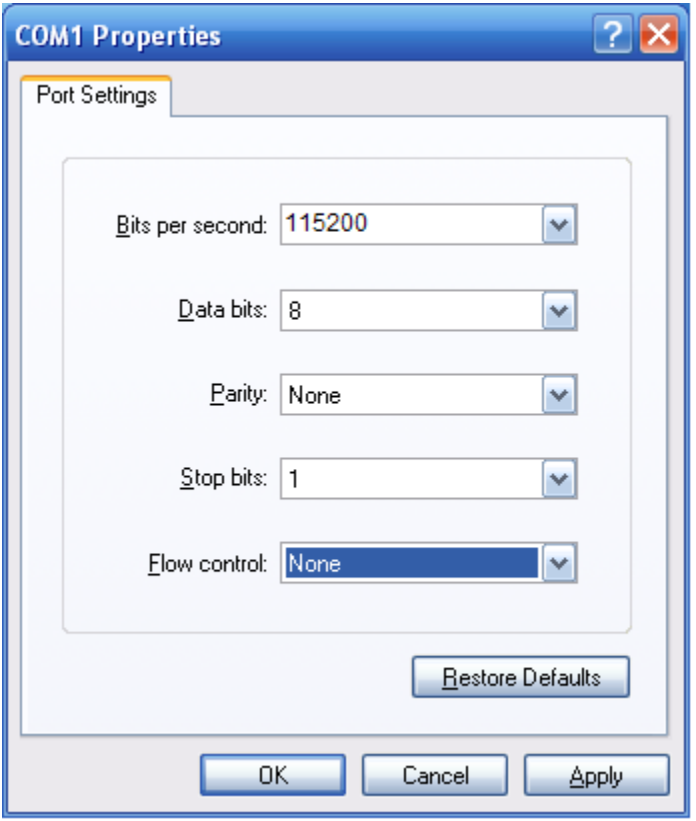


A terminal program is required to make the software connection to the IFS Managed Industrial Switch. Windows' **Hyper Terminal** program may be a good choice. The Hyper Terminal can be accessed from the **Start** menu.

1. Click **START**, then **Programs**, **Accessories** and then **Hyper Terminal**.

2. When the following screen appears, make sure that the COM port should be configured as:

- **Baud : 115200**
- **Parity : None**
- **Data bits : 8**
- **Stop bits : 1**
- **Flow Control : None**



5. Logon to the Console

Once the terminal has been connected to the device, power on the Managed Industrial Switch and the terminal will display “running testing procedures”. The following procedures show the NS3552-8P-2S but are applicable to the NS3550-2T-8S as well.

Then, the following message asks the login user name and password. The factory default user name and password as following and the login screen in Figure 5-1 appears.

User name: **admin**
Password: **admin**

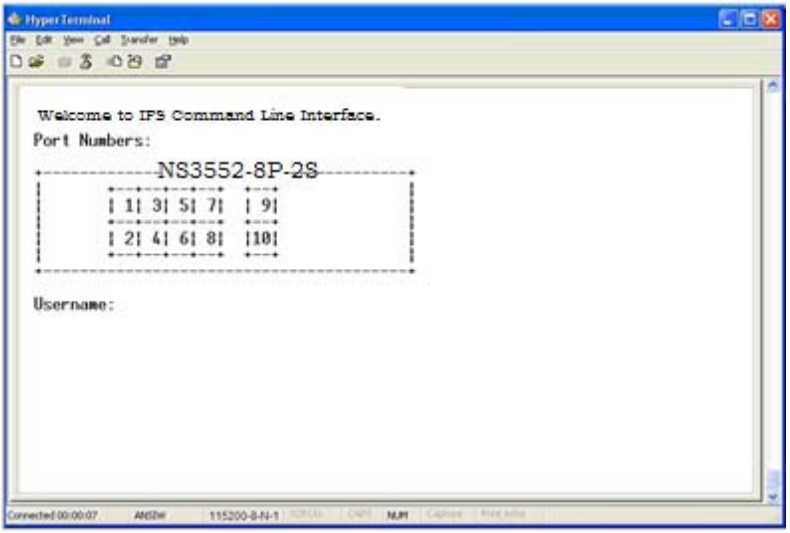


Figure 5-1 NS3552-8P-2S Console Login screen

Note:

1. For security reasons, please change and memorize the new password after this first setup.
2. Only accept commands in lowercase letters under the console interface.

6. Configure IP address

The Managed Industrial Switch is shipped with the default IP address as following.

IP Address: **192.168.0.100**
Subnet Mask: **255.255.255.0**

To check the current IP address or modify a new IP address for the Managed Industrial Switch, please use the procedures as follow:

- **The current IP address is displayed.**

1. On "**NS3552-8P-2S:/IP>**" prompt, enter **"configuration".**
2. The screen displays the current IP address, Subnet Mask and Gateway. As show in Figure 6-1.

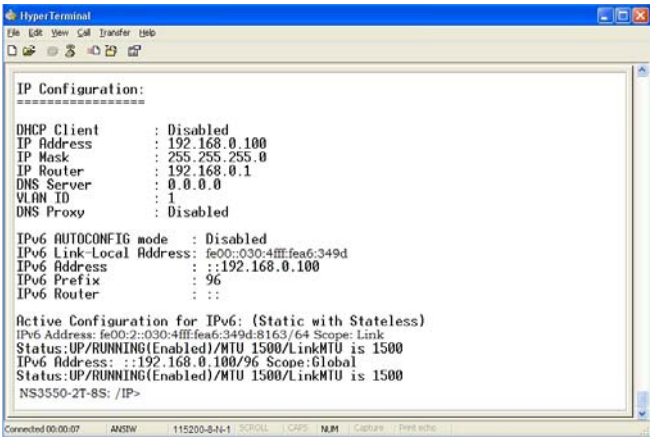


Figure 6-1 Show IP information screen

- **Configure IP address**

3. On "**NS3552-8P-2S: /IP>**" prompt, enter the following command and press **<Enter>.** As show in Figure 6-2.

```
NS3552-8P-2S:/IP>setup 192.168.1.100 255.255.255.0 192.168.1.1 1
```

The previous command would apply the follow settings for the Switch.

IP: 192.168.1.100

Subnet Mask: 255.255.255.0

Gateway: 192.168.1.1

VLAN ID: 1

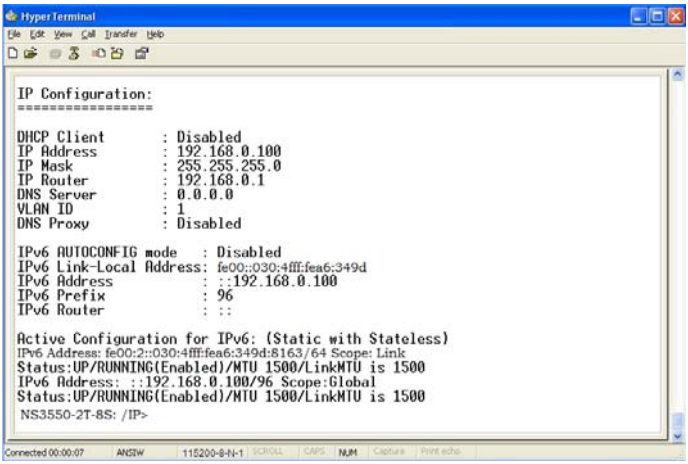


Figure 6-2 Set IP address screen

4. Repeat Step 1 to check if the IP address is changed.

   If the IP is successfully configured, the Managed Industrial Switch will apply the new IP address setting immediately. You can access the Web interface of ISW Managed Industrial Switch through the new IP address.

If you a not familiar with console command or the related parameter, enter "**?**" anytime in console to get the help description.

7. Start Web Management

The following shows how to start up the **Web Management** of the Industrial Managed Switch. Note the Industrial Managed Switch is configured through an Ethernet connection, please make sure the manager PC must be set on the same **IP subnet address**.

For example, the default IP address of the Industrial Managed Switch is ***192.168.0.100***, then the manager PC should be set at **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.

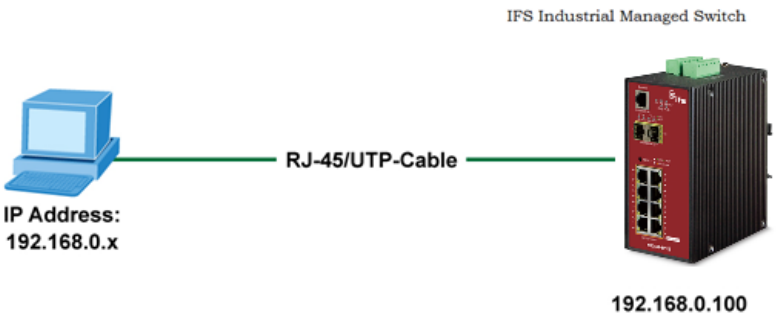


Figure 7-1: IP Management Diagram

Login the Industrial Managed Switch

1. Use Internet Explorer 7.0 or above Web browser, enter IP address ***http://192.168.0.100*** (the factory-default IP address) to access the Web interface.

2. When the following dialog box appears, please enter the default user name "**admin**" and password "**admin**" (or the password you have changed before). The login screen in Figure 7-2 appears.

Default IP Address: **192.168.0.100**

Default User Name: **admin**

Default Password: **admin**

Figure 7-2: Login Screen

3. After entering the password, the main screen appears as Figure 7-3.

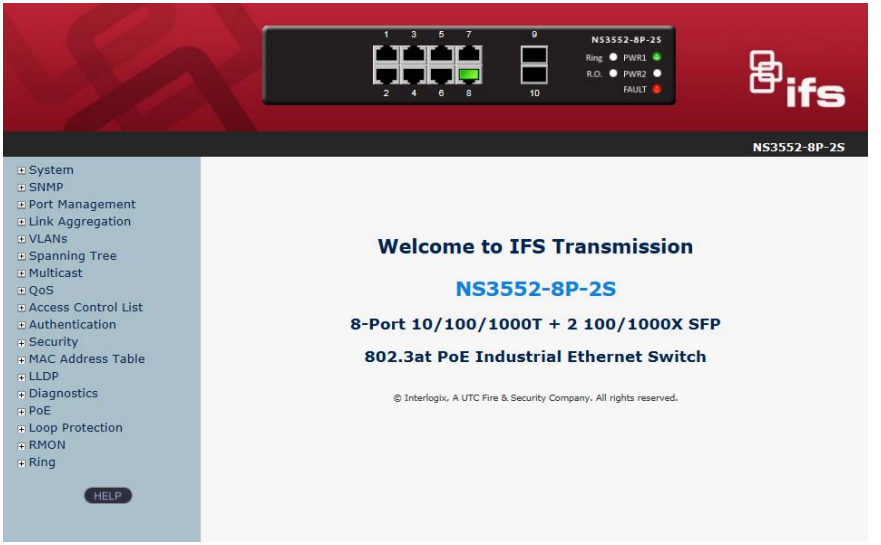
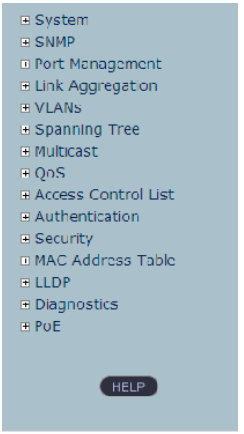


Figure 7-3: Web Main Screen of Industrial Managed Switch

4. The Switch Menu on the left of the Web page let you access all the functions and status that the Industrial Managed Switch provides.



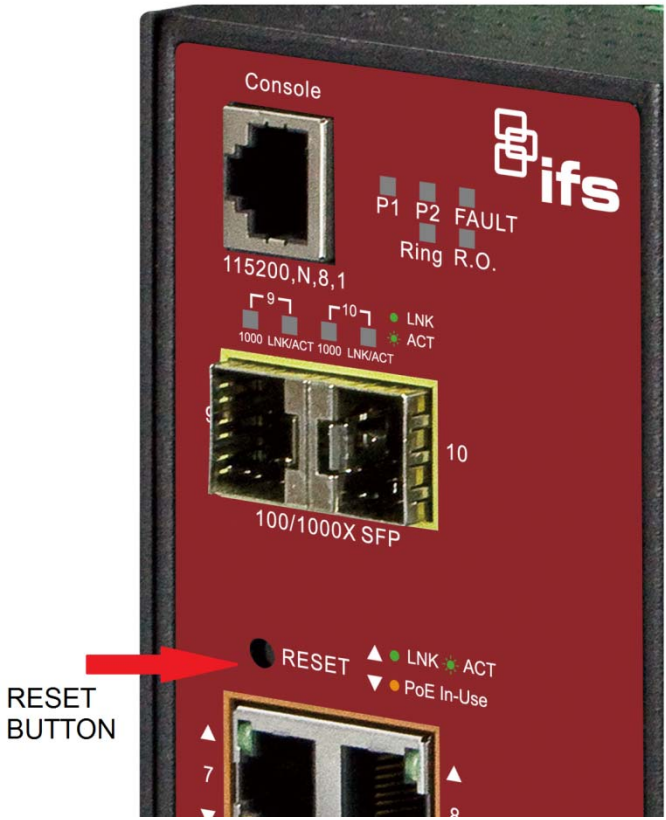
Now, you can use the Web management interface to continue the Switch management. Please refer to the user manual for more.

Note

For security reasons, please change and memorize the new password after this first setup.

8. Reset the Switch to Default

To reset the IP address to the default IP Address **“192.168.0.100”** and the user password to factory default mode (default password is **admin**). Press the hardware reset button at the front panel about 5 seconds. After the device is rebooted, you can login the management Web interface within the same subnet of 192.168.0.xx and default password. Be noted, all the previous setup will disappear after factory reset.



9. Customer Support

Thank you for purchasing IFS products. You can browse our online FAQ resource at the IFS Web site first to check if it could solve your issue. If you need more support information, please contact IFS customer support team.

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http://www.Interlogix.com

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