

IFS NS3502-8P-2S Quick Installation Guide

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Version This document applies to IFS NS3502-8P-2S
version 1.0.

Certification   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 à la norme NMB-003 du Canada.

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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.utcssecurityproducts.eu.

Content

1. Package Content	1
2. Requirements	2
3. Terminal Setup	3
4. Logon to the Console	5
5. Configure IP Address	6
6. Start Web Management	8
7. Resetting to Factory Default	11

1. Package Content

Thank you for purchasing IFS Layer 2 Managed Switch, NS3502-8P-2S. Terms of “**Managed Switch**” means the Switch mentioned titled in the cover page of this Quick Installation Guide.

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

- The NS3502-8P-2S x1
- This Quick Installation Guide x1
- User's Manual CD x1
- RS232 DB9 Female Console Cable x1
- Rubber Feet x 4
- Two Rack-mounting brackets with attachment screws x1
- Power Cord x1
- SFP Dust Caps x 2

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

2. Requirements

The Managed Switch provide remote login interface for manage; the following equipments are necessary for further management.

- **Workstation** installed with Ethernet NIC (Network Card)
- Workstations of subscribers running Windows XP/2003, Vista, Windows 7, MAC OS X, Linux, Fedora, Ubuntu or other platform compatible with TCP/IP protocols.
- **Ethernet Port connect**
 - Network cables - Use standard network (UTP) cables with RJ-45 connectors.
 - Above Workstation installed with WEB Browser and JAVA runtime environment Plug-in
- **Serial Port connect** (Terminal)
 - Above PC with COM Port(DB-9) or USB-to-RS-232 converter



It is recommended to use Internet Explore 7.0 or above to access the Managed Switch.

3. Terminal Setup

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



Figure 3-1: NS3502-8P-2S Console Connection

A terminal program is required to make the software connection to the Managed 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:
 - **Parity : None**
 - **Data bits : 8**
 - **Stop bits : 1**
 - **Flow Control: None**
 - **Baud Rate: 115200**

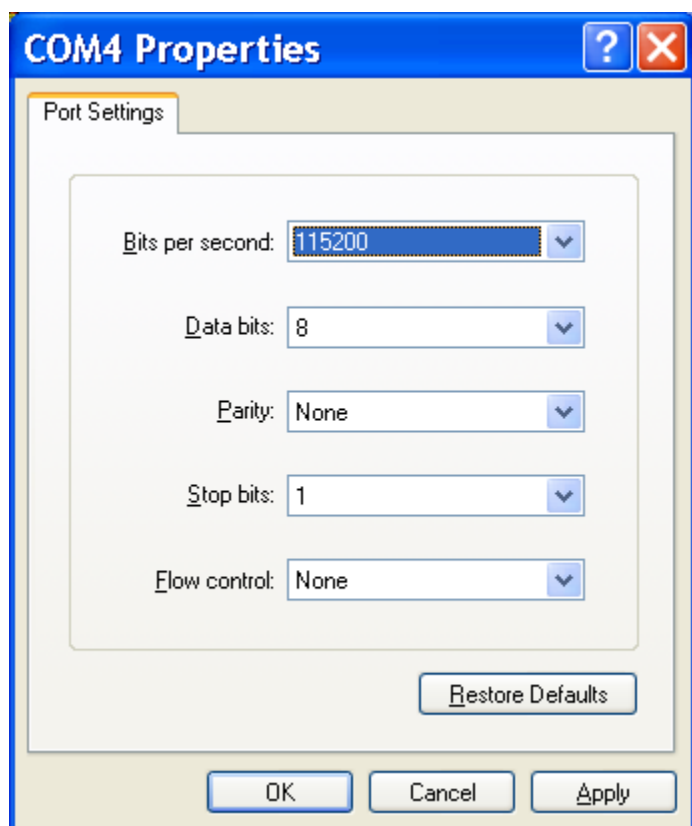


Figure 3-2 : Hyper Terminal COM Port Configuration

4. Logon to the Console

Once the terminal has connected to the device, power on the Managed Switch, the terminal will display that it is running testing procedures.

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 4-1 appears.

User name: **admin**

Password: **admin**

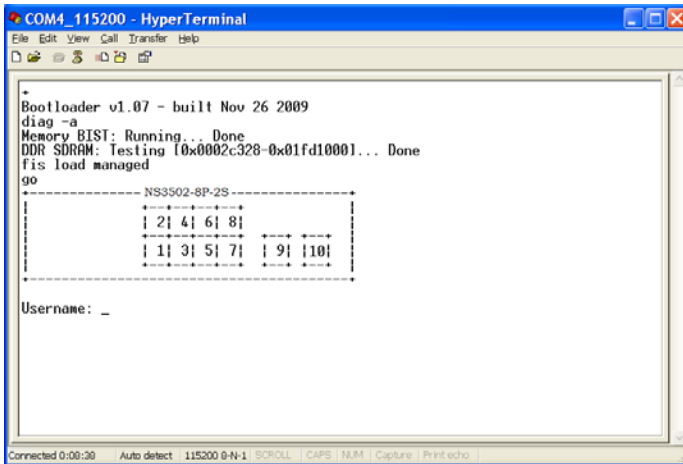


Figure 4-1: Managed Switch Console Login Screen



Note

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

5. Configure IP Address

The Managed Switch is shipped with 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 Switch, please use the procedures as follow:

■ Show the current IP address

1. On "**Switch/**>" prompt, enter "**ip configuration**".
2. The screen displays the current IP address, Subnet Mask and Gateway. As show in Figure 5-1.

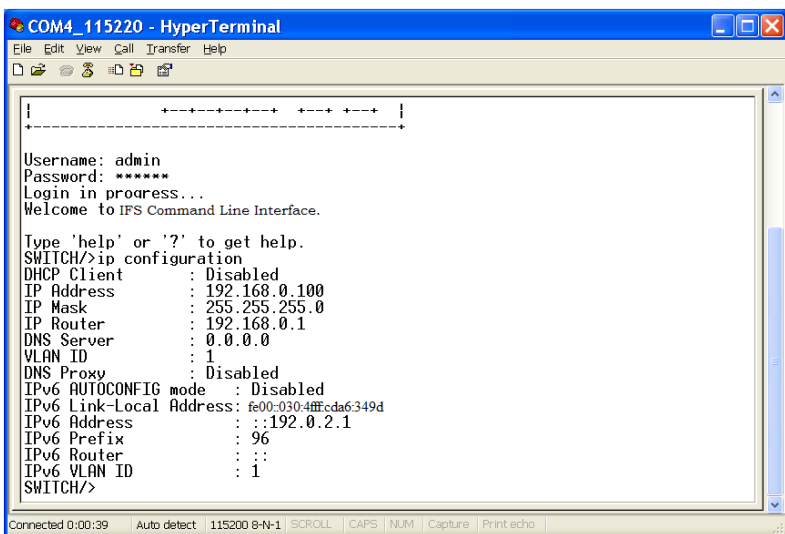


Figure 5-1: Show IP Information Screen

■ Configure IP address

3. On "**Switch/**>" prompt, enter the following command and press <Enter>. As show in Figure 5-2.

Switch/> ip setup 192.168.1.100 255.255.255.0 192.168.1.1

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

IP: 192.168.1.100
Subnet Mask: 255.255.255.0
Gateway: 192.168.1.1

```
COM4_115220 - HyperTerminal
File Edit View Call Transfer Help
+-----+
Username: admin
Password: *****
Login in progress...
Welcome to IFS Command Line Interface.

Type 'help' or '?' to get help.
SWITCH/>ip configuration
DHCP Client      : Disabled
IP Address       : 192.168.0.100
IP Mask          : 255.255.255.0
IP Router        : 192.168.0.1
DNS Server       : 0.0.0.0
VLAN ID          : 1
DNS Proxy        : Disabled
IPv6 AUTOCONFIG  mode : Disabled
IPv6 Link-Local  Address: fe80::0304fffcd6:349d
IPv6 Address     : ::192.0.2.1
IPv6 Prefix      : 96
IPv6 Router      : ::
IPv6 VLAN ID     : 1
SWITCH/>ip setup 192.168.1.100 255.255.255.0 192.168.1.1
SWITCH/>

Connected 0:01:53  Auto detect  115200 8-N-1 | SCROLL  CAPS  NUM  Capture | Print echo
```

Figure 5-2: Set IP Address Screen

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

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



If you do not familiar with console command or the related parameter, enter “?” anytime in console to get the help description.

6. Start Web Management

The Managed Switch provides a built-in browser interface. You can manage it remotely by having a remote host with Web browser, such as Microsoft Internet Explorer, Mozilla Firefox, Google Chrome or Apple Safari.

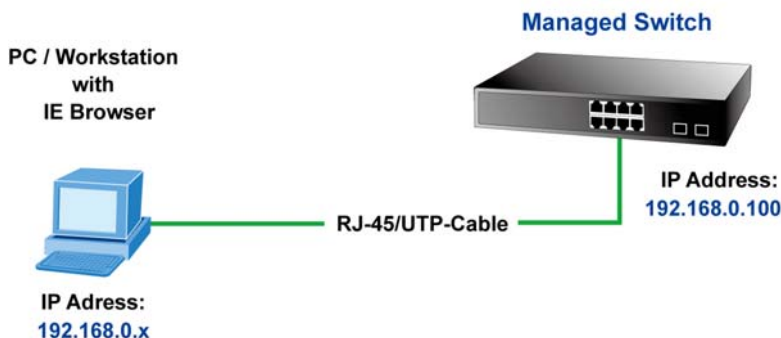


Figure 6-1: IP Management Diagram

The following shows how to start up the **Web Management** of the Managed Switch, please note the 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 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.

Login the 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 or that you have just changed in console) 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 via console). The login screen in Figure 6-2 appears.

Default User name: **admin**

Default Password: **admin**

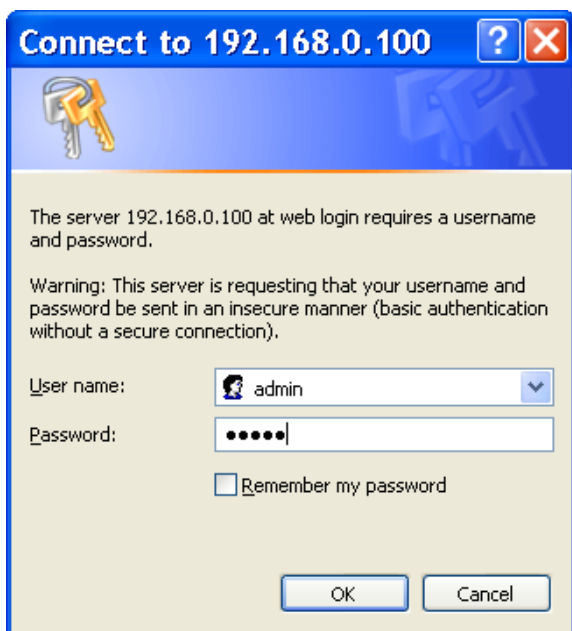


Figure 6-2: Login Screen

3. After entering the password, the main screen appears as Figure 6-3.

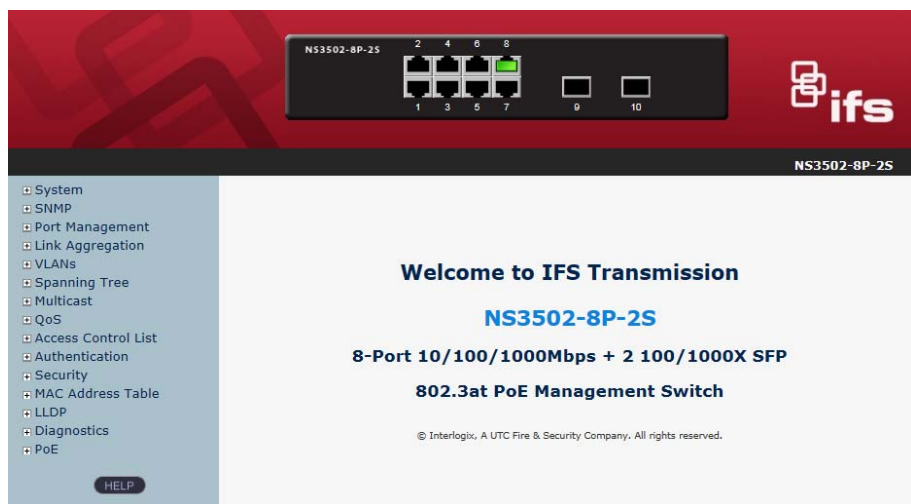


Figure 6-3: Web Main Screen of Managed Switch

4. The Switch Menu on the left of the Web page let you access all the commands and statistics that Managed Switch provides.

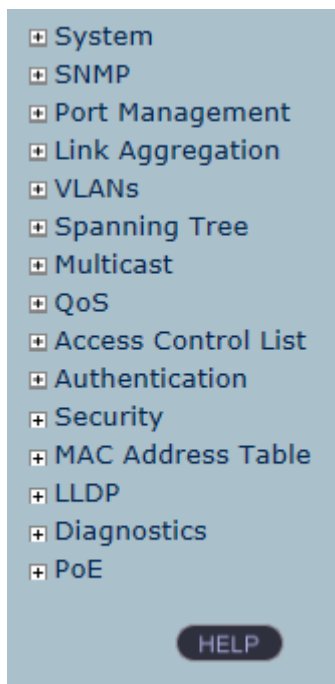


Figure 6-4: Switch Menu



If you do not familiar with Layer 2 / Layer 4 switch functions or the related parameter, press “**Help icon**” anytime in left of the Web page to get the help description.

Now, you can use the Web management interface to continue the Switch management or manage the Managed Switch by console interface. Please refer to the user manual for more.

7. Resetting to Factory Default

To reset the IP address to the default IP Address “**192.168.0.100**” or reset the user name and password to default value(default user name and password are both **admin**). Press the hardware **reset button** at the front panel about **10 seconds**. After the device is rebooted, you can login the management WEB interface within the same subnet of 192.168.0.xx and default user name / password. Be noted, all the previous setup with disappeared after factory reset.

