IFS POC2502 Series Quick Start Guide

Content

This is the *IFS NS4802-24P-4S-2X Quick Start Guide*. This document provides basic instructions for installing and using the *IFS NS4802-24P-4S-2X*.

Package Contents

Thank you for purchasing IFS - Multi-port Coax + 2-port 10/100/1000T + 2-port 100/1000X SFP Long Reach PoE over Coaxial Managed Switch

The description of this model is shown below:

POC2502-8CXP-2T-2S	8-port Coax + 2-port 10/100/1000T + 2-port 100/1000X SFP Long Reach PoE over Coaxial Managed Switch
POC2502-16CXP-2T-2S	16-port Coax + 2-port 10/100/1000T + 2-port 100/1000X SFP Long Reach PoE over Coaxial Managed Switch

"**POC2502 Managed Switch**" is used as an alternative name in this Quick Installation Guide.

Open the box of the POC2502 Managed Switch and carefully unpack it. The box should contain the following items:

- The POC2502 Managed Switch x 1
- Quick Installation Guide x 1
- Rubber Feet x 4
- Power Cord x 1
- RS-232 to RJ45 Console Cable x 1
- SFP Dust Cap x 2
- BNC Female Dust Cap x 8 (POC2502-8CXP)
- BNC Female Dust Cap x 16 (POC2502-16CXP)
- Warning Sticker x 8 (POC2502-8CXP)
- Warning Sticker x 16 (POC2502-16CXP)
- Rack-mount Accessory Kit x 1

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

Requirements

- Workstations running Windows XP/2003/Vista/7/8/2008, or other platforms are compatible with TCP/IP protocols.

- Workstations are installed with Ethernet NIC (Network Interface Card)

- **Serial Port Connection** (Terminal)

  - The above Workstations come with COM Port (DB9) or USB-to-RS232 converter.

  - The above Workstations have been installed with terminal emulator, such as Hyper Terminal included in Windows XP/2003.

  - Serial cable -- one end is attached to the RS232 serial port, while the others end to the console port of the Managed Switch.

- **Ethernet Port Connection**

  - Network cables -- Use standard network (UTP) cables with RJ45 connectors.

  - The above PC is installed with Web Browser and JAVA runtime environment plug-in.

It is recommended to use Internet Explore 8.0 or above to access the Managed Switch. If the Web interface of the Managed Switch is not accessible, please turn off the anti-virus software or firewall and then try it again.

Terminal Setup

To configure the system, connect a serial cable to a **COM port** on a PC or notebook computer and to RJ45 type of serial port of the Managed Switch.
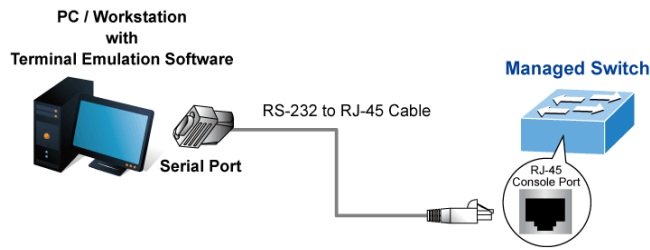

Figure 1: Managed Switch Console Connectivity

A terminal program is required to make the software connection to the Managed Switch.

1. Run terminal program on the OS.

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

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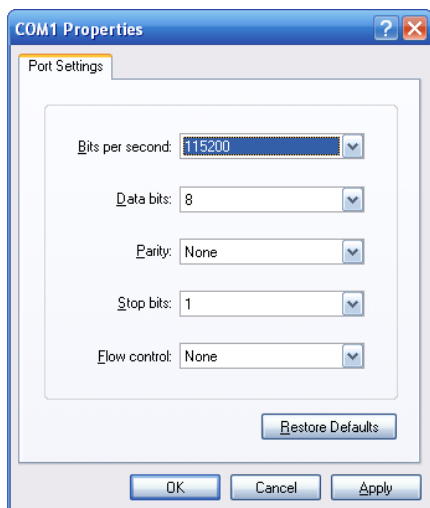- ♦ **Stop bits** : **1**
- ♦ **Flow control : None**

Figure 2: COM Port Configuration

Logon to Console

Once the terminal is connected to the device, power on the Managed Switch and the terminal will display "running testing procedures". Then, the following message asks to log-in user name and password. The factory default user name and password are shown as follows and the login screen in Figure 3 appears.

Username: **admin**
Password: **admin**

Figure 3: POC2502 Managed Switch Console Login Screen

The user can now enter commands to manage the Managed Switch. For a detailed description of the commands, please refer to the following chapters.

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

Configuring IP Address

The Managed Switch is shipped with default IP address shown below.

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 Switch, please use the procedures as follows:

■ **Show the current IP Address**

1. At the **"POC2502 Series#"** prompt, enter **"show ip "**.

2. The screen displays the current IP address as shown in Figure 3.

Figure 3: IP Information Screen

■ **Configuring IP Address**

3. At the "**POC2502 Series#**" prompt, enter "**configure**".

4. At the "**POC2502 Series (config)#**" prompt, enter the following command and press **<Enter>** as shown in Figure 4.

> POC2502 Series(config)# **ip address 192.168.1.100 mask 255.255.255.0**
>
> POC2502 Series(config)# **ip default-gateway 192.168.1.254**

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

> **IP Address: 192.168.1.100**
>
> **Subnet Mask: 255.255.255.0**
>
> **Gateway: 192.168.1.254**

Figure 4: IP Address Screen

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

If the IP is successfully configured, the POC2502 Managed Switch will apply the new IP address setting immediately. You can access the Web interface of the POC2502 Managed Switch through the new IP address.

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

Saving the Configuration via the Console

In the switch, the running configuration file stores in the RAM. In the current version, the running configuration sequence running-config can be saved from the RAM to FLASH by **writing** the command or **copying** the **running-config startup-config** command, so that the running configuration sequence becomes the startup configuration file, which is called configuration save.

1. At the "**POC2502 Series#**" prompt, enter "**copy running-config startup-config**" as shown in Figure 5.

Figure 5: The Configuration Screen

Starting Web Management

The following shows how to start up the **Web Management** of the POC2502 Managed Switch. Note, the POC2502 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 POC2502 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.
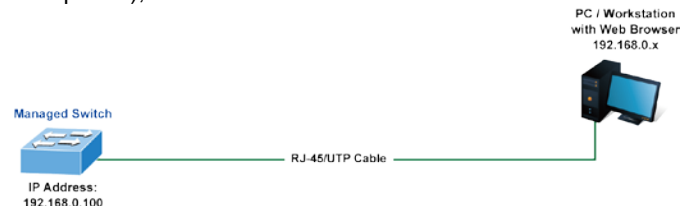

Figure 6: IP Management Diagram

Logging in to the Managed Switch

1. Use Internet Explorer 8.0 or above Web browser and enter IP address ***http://192.168.0.100*** to access the Web interface.

2. When the following dialog box appears, please enter the default user name and password "**admin**". The login screen in Figure 7 appears.

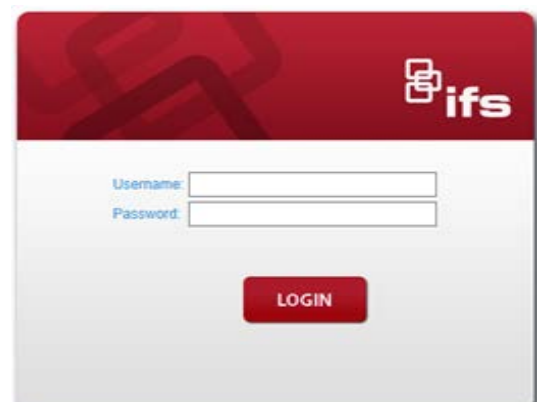> Default Username: **admin**
>
> Default Password: **admin**

Figure 7: Login Screen

After entering the password, the main screen appears as Figure 8 shows.

Figure 8: Web Main Screen of POC2502 Managed Switch

The Switch Menu on the left of the Web page lets you access all the commands and statistics the POC2502 Managed Switch provides.
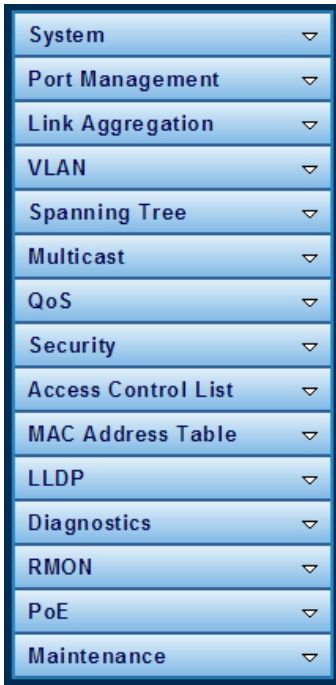

Figure 9: Switch Menu

Now, you can use the Web management interface to continue the Switch management.

Please refer to the user's manual for more information.

Now, you can use the Web management interface to continue the Switch management. For more detailed switch configuration, please refer to the user's manual.

Starting Long Reach PoE Communication

The following shows how to start up the **Long Reach PoE Communication** of the POC2502 Managed Switch from Web Management.


The POC2502 Managed Switch is configured **DISABLED** Long Reach PoE function as default.

■ Connect the Coaxial Cable

1. Insert the coaxial cable with one side being the 75ΩBNC plug connector into the Long Reach Ethernet coaxial interface.

2. Connect the other end of the cable to a device with Long Reach Ethernet coaxial Extender installed.

3. Tight the BNC male connector gently.
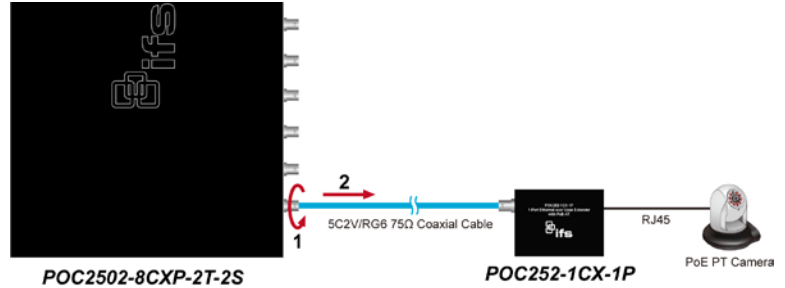
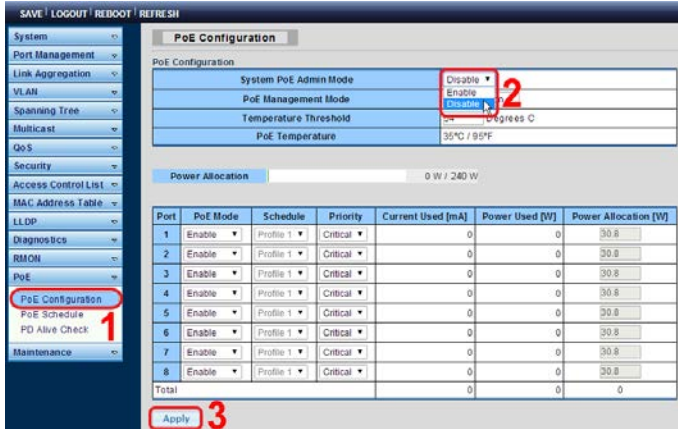4. Enable Long Reach Power over Ethernet function for the all POC2502 ports from Web UI.
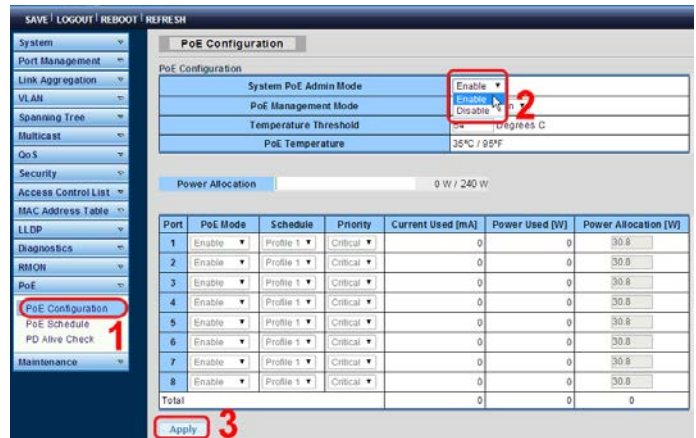
5. Check the LNK LED of the Long Reach Power over Ethernet interface on the front of the POC2502 Managed Switch. Ensure that the Long Reach Power over Ethernet interface is operating correctly.

1. Before installation, please consider the distance and watts value demand for PD devices. The POC2502 Managed Switch and POC2502 Extender PoE output capacity and upload / download performance depend on the length of coaxial cable. You can refer to user manual chapter 1.5 for more information.

2. As there are various resistance values in the category of RG-59/U or RG-6/U cable, the actual data rate will vary on the quality of the copper wire and environmental factors.

■ **Remove the connected the Coaxial Cable**

1. Make sure there is no network activity anymore
2. Disable Long Reach Power over Ethernet function for the all POC2502 ports from Web UI.
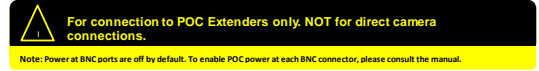

3. Loose the BNC male connector gently.
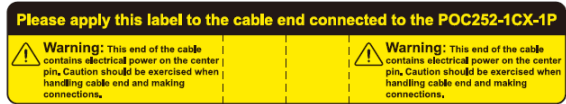4. Pull out the coaxial cable gently.
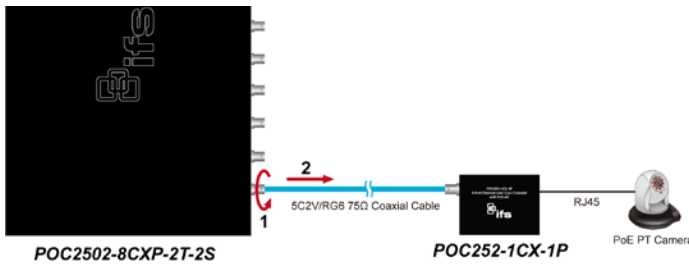
Never pull out the coaxial cable without disabled Long Reach Power over Ethernet function for the port from Web UI. Directly pulling out the coaxial cable could damage the Long Reach Ethernet coaxial Extender and the BNC female connector of the POC2502 Managed Switch.

1. The package contains warning stickers, which should be stuck on the coaxial cable connector before using IFS POC252-1CX-1P extender. If connected with Non-IFS POC252 series extender equipment, it might cause damage to the equipment.

For connection to POC Extenders only. NOT for direct camera connections.

Note: Power at BNC ports are off by default. To enable POC power at each BNC connector, please consult the manual.

2. After POC2502 PoE port enabled, the center pin of the coaxial cable is with electricity. Do not touch center pin or connect this end to any non-IFS POC2502 equipment.

Please apply this label to the cable end connected to the POC252-1CX-1P

Warning: This end of the cable contains electrical power on the center pin. Caution should be exercised when handling cable end and making connections.

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Saving the Configuration via the Web

In the POC2502 Managed Switch, the running configuration file stores in the RAM. In the current version, the running configuration sequence of running-config can be saved from the RAM to FLASH by "**Save Configurations to FLASH**" function, so that the running configuration sequence becomes the startup configuration file, which is called configuration save. 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 "**Save > Save Configurations to FLASH**" to login to the "Configuration Manager" Page.

2. Press the "**Apply**" button to save running configuration to startup configuration.
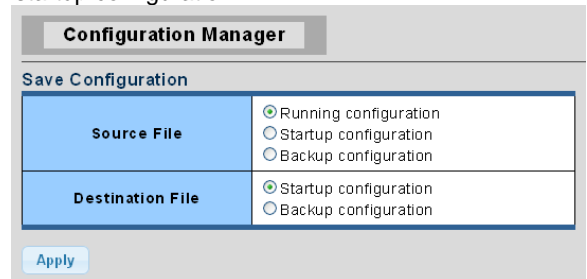
Recovering Back to Default Configuration

■ **IP Address has been changed or admin password has been forgotten** –

To reset the IP address to the default IP Address **"192.168.0.100"** or reset the login password to default value, press the **hardware reset button** on the front panel for about **10 seconds.** After the device is rebooted, you can login the management Web interface within the same subnet of 192.168.0.xx.

Figure 10: POC2502-8CXP Reset Button

This reset would be the same on the POC2502-16CXP-2T-2S.

Contact information

www.interlogix.com or www.utcfssecurityproducts.eu.

For customer support, see www.interlogix.com/customer-support .

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