

Installation Guide

1 Unpacking

Unpack the items. Your package should include:

- One EX78900 Series hardened managed switch
- One CD containing this user's guide

If items are missing or damaged, notify your EtherWAN representative. Keep the carton and packing material.

2 What Else You Need

- Category 5 or better cable for RJ-45 ports
- Appropriate SFP cable for SFP ports
- Personal computer with a DB9 straight cable

3 Select a Location

- Installations: Desktop, Wall-mount, DIN-Rail mount.
- Identify a power source within 6 feet (1.8 meters).
- Choose a dry area with ambient temperature between -40 and 75°C (-40 and 167°F).
- Be sure there is adequate airflow.

4 Connect to the Data Ports

Depending on the model, your switch can have the following ports:

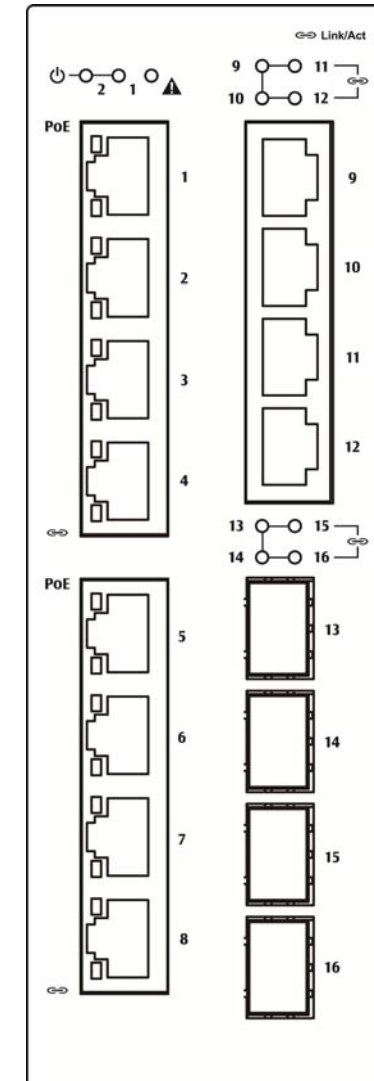
- 8 10/100/1000BASE-TX Power over Ethernet (PoE) ports
- 4 10/100/1000BASE-TX ports
- 4 Gigabit SFP ports

10/100/1000BASE-TX (PoE)

Ports 1 to 8 support Power over Ethernet, and provide power to networked devices such as IP Phones, Wireless LAN Access Points, and IP security cameras. The PoE power budget is 240 watts.

1 Gbps SFP Ports

Your switch model has four 1 Gbps SFP slots. SFP transceivers can be installed directly into ports 13 - 16. Ensure that the same type of transceiver is used at both ends of the link and that the correct type of fiber cable is used.



5 Apply Power

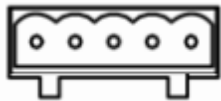
The switch has two pairs of power inputs:


- A 52-57VDC terminal block

Only one power input is required to operate the switch. However, redundant power supply functionality is supported.

Terminal Block

The switch provides two power inputs on a 52-57VDC terminal block. Only one power input is required to operate the switch. The terminal block has 5 terminal posts.



Pin		Description
Power 1	+	52-57VDC
	-	Power Ground
Power 2	+	52-57VDC
	-	Power Ground
		Earth Ground
Relay Output Rating		1A @ 250VAC

Relay Output Alarm

The switch provides relay output contacts for signaling of a user-defined power or port failure. The relay output can be connected to an alarm signaling device. Current is 1A at 250VAC.



Power-Up Sequence

When you apply power:

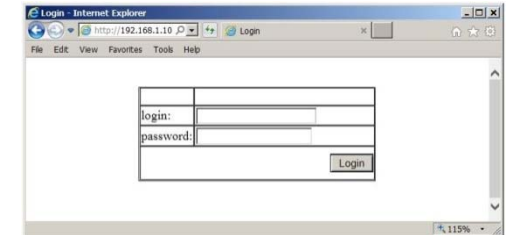
- All Link/ACT LEDs blink momentarily.
- The Power 1, 2 LED goes ON.
- LEDs for every port connected to a device flash, as the switch conducts a brief Power On Self-Test (POST).

6 Console Configuration

- Connect to the switch console by connecting the DB-9 cable to the console port of the switch and to the serial port of the computer running a terminal emulation application (such as Hyperterminal or Putty).
- Configuration settings of the terminal-emulation program: Baud rate: 115,200bps, Data bits: 8, Parity: none, Stop bit: 1, Flow control: none.
- The default login name is "root," no password.

7 Web Configuration

- Log in to the switch by launching a web browser and entering 192.168.1.10 in the address bar.



- Enter the default login ID: root (no password) and click "Login." The system information screen will display as shown below.

