User Guide

4GE (PoE) +2GE Web Smart PoE Switch

This document applies to the 4GE(PoE) + 2GE Web Smart PoE Switch. The 4GE(PoE)+2GE is used as an example in the product figure unless otherwise specified

Packing List

When using the Switch for the first time, carefully open the packing box. The packing box should contain the following items:

➢ **Switch *1** ➢ **User manual *1** ➢ **Power cord *1** ➢ **Feet *4**

⚠ **Note:** Precision devices are built in the device, please handle them carefully to avoid violent vibration, which may affect the performance of the device. If you find that the equipment is damaged or any parts are lost in the process of transportation, please inform us, we will give you a proper solution as soon as possible.

Chapter 1 Product Introduction

1.1 Product Overview

4GE(PoE)+2GE is a Web Smart PoE Switch independently developed by our company.Support WEB management and online APP management for device.
6*10/100/1000Mbps adaptive RJ45 ports are available, each with MDI/MDIX automatic flip and wire-speed forwarding capabilities.
Ports 1-4 support PoE power supply. PoE ports automatically detect PD devices and supply power to PD devices that comply with IEEE 802.3af/at standards. Each port has a maximum of 30W.
The device can be used as an Ethernet power supply device. It can automatically detect and identify compliant power receiving devices and supply power to them through network cables. It uses storage and forwarding technology and dynamic memory allocation to ensure that bandwidth is effectively allocated to each port.

1.2 Enter the WEB Management Page of Device

Default user and password for the WEB page: admin
Method 1:
Connect the computer to the network port of the switch, set the computer fixed IP address 192.168.110. */24, open a browser (ED GE or Chrome is recommended) and log in to 192.168.110.254.
➢ Use a three-hole socket with safe grounding, and ensure that the PGND cable of the power socket is properly grounded.
➢ Ensure sufficient space for heat dissipation and ventilation of the Switch. Do not place heavy objects on the Switch.

Method 2:
When the switch is connected to the network, the switch automatically obtains an IP address on the LAN, searches for the IP address of the switch, and uses the browser to enter the Settings.

1.3 Supporting Product Information

For detailed instructions on WEB Settings, please scan the QR code below to obtain it.

1.4 APP Online Management

Use:
Connect the switch to the Internet. Download and install the APP on the smartphone, Registration succeeded and create a new project in the APP, scan the SN QR code of the device and add it to the project.

1.5 APP Download Link

Please scan the QR code for download

Chapter 2 Product appearance description

2.1 Front panel

The front panel consists of 6*10/100/1000Mbps adaptive RJ45 ports and related indicators, as shown in the following figure:

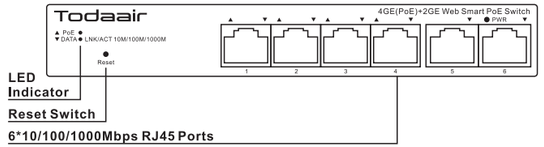

Figure 2-1 Font panel of the 4GE(PoE)+2GE Switch

4GE(PoE)+2GE Port description:

➢ 10/100/1000Mbps RJ45 Ports

The RJ45 ports are located on the right side of the panel, and each port has a corresponding indicator, that is, the indicators 1-6 on the panel in the figure above.

➢ 10/100/1000Mbps PoE Ports

PoE ports can automatically detect PD devices and supply power to PD devices that comply with IEEE 802.3af/at standards. Each port has a maximum of 30W, and each port has a corresponding indicator. That is, port indicators 1-4 on the panel in the figure above.

➢ Reset Switch

The reset Switch is simp ly a Switch that can be automatically reset, and after the reset Switch is pressed, the hand is released to return to the initial state.

➢ LED Indicator

The LED indicator is used to indicate the different working states of the Switch, so that we can check whether the Switch is working properly in time

2.2 LED Indicator

The LED indicators of the Switch are shown in the following table. Users can monitor the work and running status of the Switch conveniently and quickly through the following indicators:

LED	Color	Function
PWR	Orange	Off: No Power supply. Light·Indicates Switch has power.
PoE	Orange	Off: No PoE powered device (PD) connected. Light: There is a PoE PD connected to be port, which supply power successfully. Blink· Indi cates port abnormal PoE supply.
LNK ACT	Green	Off: The network is not connected. Steady on: A 10/100/1000Mbps network device is connected. Blinking: Data is being transferred

2.3 Rear Panel

The rear panel of a Switch shows the AC power port. The power input ranges from 100-240V AC at 50/60 Hz.

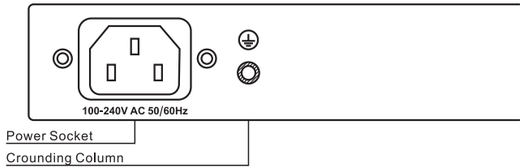

Figure 2-2 Rear panel of the 4GE(PoE)+2GE Switch

AC power port

This is an AC power socket, connect the negative plug of the power cord to this interface, and connect the positive plug to the AC power supply.

Lightning protection grounding pole

It is located to the left of the power interface.
Please use wire grounding to prevent lightning strike.

Chapter 3 Installation Guide

This chapter helps users correctly install and safely use Switches

3.1 Installation Precautions

⚠ **Precautions:** To avoid equipment damage and personal injury, observe the following precautions

➢ The Switch room should be dry and ventilated, free from corrosive gases and strong electromagnetic interference.

➢ The humidity of the Switch equipment room should be lower than 90% and around 25 degrees Celsius. If possible, install corresponding facilities.

➢ The grounding of the Switch shall comply with the grounding requirements described in this manual, and shall be separately and well grounded.

➢ The Switch voltage should be stable to prevent abnonmal operation of the Switch caused by power supply voltage mutation, fluctuation and other phenomena;

➢ Keep a proper distance between the Switch and other devices. Do not stack other devices with the Switch

➢ The connection cable between the Switch and the distribution frame should be standardized and reasonable, and the distribution frame (box) jumper wire should be concise and clear to prevent the phenomenon of parallel lines and wires;

➢ To avoid the danger of electric shock, do not open the chassis without authorization; If any fault occurs, contact professional maintenance personnel

⚠**Safety Tips:**

➢ Use a three-hole socket with safe grounding, and ensure that the PGND cable of the power socket is properly grounded

➢ Ensure sufficient space for heat dissipation and ventilation of the Switch. Do not place heavy objects on the Switch

3.2Installation Environment

Before installation, make sure that the proper working environment is available, including power requirements, adequate space, proximity to other equipment to be connected, and other equipment in place. Please confirm the following installation requirements:

➢ Ensure the stability of the workbench and good grounding.

➢ Check whether cables and connectors required for installation are in place (less than 100m) .

➢ Environment requirements: The operating temperature ranges from 0°C to 40°C and the relative humidity ranges from 5% to 90%.

3.3 Installation

Desktop installation

➢ Place the bottom of the Switch face up on a large enough stable desktop.

➢ Carefully position the Switch upright on the workbench;

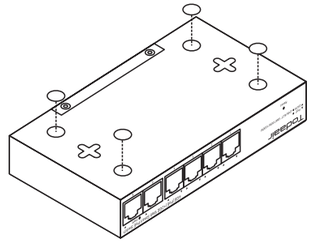

Figure 3-1 Desktop Installation Diagram

Wall mounted installation

➢ Install the Switch by following the steps: Fix 2 screws on the wall to align the 2 fixing holes on the Switch, as shown in the figure below, and hang the Switch smoothly on the screws

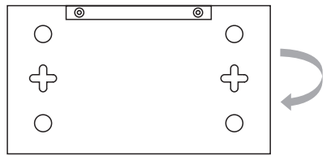

Figure 3-2 Schematic of wall-mounted installation

3.4 Enabling the Switch

Connect the power cord, plug in, and turn on the power. After the Switch is started, the Switch automatically initializes. If all port indicators are on and off, the system is successfully reset. The power LED indicator is steady on.

Note: Before powering on the device, ensure that the voltage is correct; otherwise, the device may be damaged. (Power input range: 100-240V AC 50/60Hz).

Appendix: Technical Specifications

Model	4GE(PoE)+2GE Web Smart PoE Switch
Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3 3x, IEEE 802.3az, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at
Network Media (Cable)	10BASE-T：UTP category 3,4,5 cable（≤100m） 100BASE-TX：UTP category 5,5e cable（≤100m） 1000BASE-T：UTP category 5e,5 cable（≤100m）
MAC Address Table	8K, Auto-learning, Auto-aging
Jumbo Frame	9KBytes
Packet Buffer	4.1Mbit
Transfer Mode	Store-and-Forward
Switching Capacity	12Gbps
Packet Forward Speed	8.93Mpps
PoE Port	Port1-4
PoE Port O utput	30W Max
PoE Power Budget	60W
Dimensions (L*W*H)	168*86*32mm
Fan	Fanless
Input Voltage	AC 100-240V 50/60 Hz
Power Supply	65W
Temperature	Operating Temperature: 0°C~40°C Storage Temperature:-40°C~70°C
Humidity	Operating Humidity: 10% -90% non-condensin Storage Humidity:5% -90% non-condensing