

# EG-SWU-1401-10GP

## Device Specification



# 8-PORT GIGABIT LAYER 2

## Smart POE switch

2020





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## Introduction

EG-SWU-1401 series of smart and un-managed Ethernet switches, is an innovative and cost effective device series suitable for the market. The 10GP model is a POE capable device with the following specifications which makes it suitable for many use cases.

- Smart POE Switch,
- 8\* 1000Mbps RJ45 port( POE is available)
- 2\* 1000Mbps Uplink.
- Support IEEE802.3af/at, single port output maximum power 30W
- Power supply: 96W
- 5 working modes:
  - Standard switching mode: All ports communicate freely;
  - AI VLAN: Avoid the internet storm and enhance the network ability;
  - AI Extend: Extend 250M transmission;
  - AI POE: Automatic self-checking, reboot the device while find it fake dead;
  - AI QOS, Video data first, more fluent transmission

## Device Description

### Intelligent Control

Standard switching mode: All ports communicate freely, suitable for ordinary data transmission environment.

- AI VLAN mode: Separating 1-8 ports from each other, can effectively restrain network storm and improve network performance.
- AI Extend mode: Designed for monitoring application scenarios, 1-8 ports support 250 meters long distance power supply.
- AI PoE mode: Automatic self-checking, reboot the device while find it fake dead
- AI QoS mode: Video data first, more fluent transmission
- Intelligent PoE management: Custom port PoE output power, custom PD working time, custom port priority.

### POE Functionality

- 8 1000M RJ45 ports support PoE power supply, which meets the requirements of PoE power supply in security monitoring, teleconferencing systems, and wireless coverage.

- Support IEEE802.3af/at standard protocol, single port maximum PoE output power is 30W, no need to worry about PoE or non-PoE devices with private standards will be corrupted.

### Transmission Stability

- With power circuit protection, it can protect the security and stability of the back-end equipment.
- All ports support non-blocking wire-speed forwarding for smoother transmission.

### Green Energy

- Intelligent power supply, the lowest power consumption, to ensure the power consumption of the PD terminal.
- No fan design, energy saving and environmental protection; no noise, reducing the impact on the environment.
- Support port no link power saving function.

### Simple Operation

- Zero configuration characteristic power supply, plug and play, no configuration, simple and convenient.
- The user can easily understand the working state of the equipment through power and port status indicator (Link/Act).

## Appearance and Hardware description

### Front and back Panel

Including indicators, RJ45 port, DIP switch as shown in Figure 1 below



Figure 1 Front and back panel view



### Shortcut button

- Ai QOS: Improve video data processing capabilities and improve the monitoring of Caton and Mosaic phenomena in the network
- Ai Extend: 1-8 port rate down to 10Mbps, but the transmission distance up to 250 meters
- Ai VLAN: Isolating ports 1-8 from each other, suppress network storms effectively and improve network performance
- Ai poE Detect PD, power failure and restart dead equipment

### RJ45 Port

- EG-SWU-1401 -10GP with 8 10/100/1000Mbps PoE port, all ports support IEEE802.3af and IEEE802.3at standard.
- When the switch mode of operation is CCTV mode, 1-8 port can support 250 meters power supply with 10Mbps speed rate
- 2 10/100/1000Mbps Ports as Uplink

## Hardware Specifications

Table 1 Hardware Specification

Network Port	8 10/100/1000Mbps PoE RJ45 port (port 1~port 8)
	2 10/100/1000Mbps non-PoE RJ45 port(port 9~port 10)
Transfer Rate	1000Mbps full Duplex
Network protocol and standard	·IEEE802.3i, IEEE802.3u, IEEE802.3x, IEEE802.3ab,IEEE802.3af IEEE802.3at
Performance	·Bandwidth: 20Gbps(no block)
	·Frame filtering and transmission rate:
	10M port maximum 14,880pps
	100M port maximum 148,810pps
LED indicator	1000M port maximum 1,488,100pps
	·Power
	·RESV
POE Pin	·LINK/ACT
	·1/2(+), 3/6(-)
Power	·Max. output power single port: 30W
	·Max Power supply: 96W
Dimensions	·Size (LxWxH): 184mm*94mm*27mm
	·Weight: 0.8kg
Environment	·Operating Temperature: 0°~40°C
	·Operating Humidity:: 10%~90%, Non-condensing
safety regulations	·CE/ROHS/FCC/CCC

## Ordering information

Ordering information for this device is as follows:

Table 2 Ordering information

EG-SWU-1401 -10GP	10 Port smart POE Ethernet switch
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Table 3 Spare part ordering

EG-SWU-1401-PC	Power Cable
EG-SWU-1401-PA	Power Adaptor: 100-240V input 52V output