

PWR-EPOE-8

8-Port Unmanaged ePoE Switch



- Layer-two ePoE switch
- Supports long distance PoE transmission up to 800m with ePoE technology
- MAC auto study and aging, MAC address list capacity is 8K
- Conform IEEE802.3, IEEE802.3u, IEEE802.3ab/z and IEEE802.3X standards
- Industrial wide temperature design
- Port indicator light displays the status of the current transmission mode for the port, which includes IEEE, E100 and E10
- Supports IEEE802.3af, IEEE802.3at, Hi-PoE standards

System Overview

The PWR-EPOE-8 is an 8-port ethernet switch, which supports up to 800 meters long distance ePoE transmission using ePoE rated cameras. The switch can transmit at the speed of 10Mbps, or 300 meters at the speed of 100Mbps over Cat5/6. Additionally, it supports PoE and PoC power supply technology, which simplifies construction and wiring.

Technical Specification

System

Model	PWR-POE-8
Ethernet Port	1*1000 Base-X 1*10/100/1000 Base-T 8*10/100 Base-T(PoE power supply)
PoE Power Consumption	Port1,5≤60W, Port2,3,4,6,7,8≤30W, Totals≤120W
PoE Protocol	IEEE802.3af, IEEE802.3at, Hi-PoE
Switching Capacity	8.8Gbps
Flow Control	Enabled by default
Packet Forwarding Rate	4.17Mpps
Packet Buffer Memory	4Mb
MAC Table Size	8K
Application Humidity	10%~90%
Power	DC 48~57V power adapter
Lightning Protection	Common Mode 4KV Differential Mode 2KV
Working Temperature	-30°C~65°C
Weight	0.59kg
Dimension(W×D×H)	150mm×100mm×42mm

Transmission Performance

ePoE switch power supply voltage 48V
CAT5E/CAT6, max. DC resistance < 10Ω/100m

Cable (m)	Bandwidth (Mbps)	PoE Load Capacity (W)	Hi-PoE Load Capacity (W)	Working Mode
100	100	25.5	53	IEEE/E100
200	100	25.5	33	E100
300	100	18	19	E100
400	10	17	17	E10
500	10	13	13	E10
800	10	7	7	E10

ePoE switch power supply voltage 53V
CAT5E/CAT6, max. DC resistance < 10Ω/100m

Cable (m)	Bandwidth (Mbps)	PoE Load Capacity (W)	Hi-PoE Load Capacity (W)	Working Mode
100	100	25.5	53	IEEE/E100
200	100	25.5	47	E100
300	100	25.5	32	E100
400	10	23	26	E10
500	10	20	20	E10
800	10	13	13	E10

LED Indicator

Mode	LED Action
IEEE mode	On (by default)
E100	On for 3 seconds, off for 1 second
E10	On for 1 second, off for 1 second