

# PWR-EPOE-8-V2

## 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, 8K MAC address list capacity
- 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; includes IEEE, E100 and E10
- Supports IEEE802.3af, IEEE802.3at, Hi-PoE standards

## System Overview

The PWR-EPOE-8-V2 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 Hi-PoE power supply technology, which simplifies construction and wiring.

## Technical Specification

### System

Ethernet Port	Port 1-8: 8 × RJ-45 10/100 Mbps Port 9: 1 × RJ-45 10/100/1000 Mbps Port 10: 1 × SFP 1000 Mbps
Optical Port Uplink Speed	1 Gbps
PoE Power Consumption	Port 1,5 ≤90 W Port 2,3,4,6,7,8 ≤30 W Total ≤120 W
Communication Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab/z, IEEE802.3X
PoE Protocol	IEEE 802.3af; IEEE 802.3at; Hi-PoE; IEEE 802.3bt
PoE Pin Assignment	1,2,4,5 (V+), 3,6,7,8 (V-)
Switching Capacity	8.8Gbps
Management Type	None
Packet Forwarding Rate	5.36 Mpps
Packet Buffer Size	2.75 Mbit
Jumbo Frame	9216 Byte
MAC Table Size	8K
Power	External power supply: 54 VDC, 2.22 A
Lightning Protection	Common Mode 4KV / Differential Mode 2KV
Working Temperature	-30°C~65°C
Installation	Rack mount; DIN guide rail mount
Weight	1.32 lb (0.6 kg)
Dimension (L × W × H)	5.91" × 3.94" × 1.65 (150 mm × 100 mm × 42 mm)

### Transmission Performance

ePoE switch supply voltage 54 V.  
CAT6, max. DC resistance < 10 Ω/100 m.

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	40	E100
400	10	23	30	E10
500	10	20	25	E10
800	10	13	13	E10

ePoE switch supply voltage 54 V.  
RG-59, max. DC resistance < 5 Ω/100 m.  
IEEE802.3bt standard is not applicable to RG59 cable solution.

Cable (m)	Bandwidth (Mbps)	PoE Load Capacity (W)	Hi-PoE Load Capacity (W)	Working Mode
100	100	25.5	52	IEEE/E100
200	100	25.5	48	E100
300	100	22	28	E100
400	10	15	20	E10
500	10	12	12	E10
800	10	8	8	E10
1000	10	6	6	E10

### LED Indicator

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