

# PWR-EPOE-24-V2

## 24-Port Managed ePoE Switch



- Layer-two web managed ePoE switch
- Supports long distance PoE transmission up to 800m with ePoE technology
- Three self-adaptive transmission modes: IEEE, E100 and E10.
- Supports both twisted-pair transmission and coaxial cable transmission
- PoE management, Green PoE, Eternal PoE Support
- IEEE802.3af, IEEE802.3at and Hi-PoE compliant.

## System Overview

The PWR-EPOE-24-V2 is a 24-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. Hi-PoE is also available on ports 1-2. Additionally, it supports Web and port management and adopts PoE and PoC power supply technology, which simplifies construction and wiring. Other features include Green POE is supported to save energy and cost as well as Eternal POE to maintain stable power.

## Technical Specification

### System

Layer	Layer 2, Managed
Ethernet Port	24
Ethernet Port Speed	10/100 Mbps
Ethernet Uplink Speed	10/100/1000 Mbps
Optical Port Uplink Speed	1 Gbps
Ethernet Port functions	Port 1–24: 24 × RJ-45 10/100 Mbps Port 25–26: 2 × RJ-45 10/100/1000 Mbps Port 25–26: 2 × SFP 1000 Mbps (combo)
PoE Protocol	IEEE802.3af, IEEE802.3at, Hi-PoE, ePOE Support
PoE Budget	Port 1–2 ≤60 W; Port 3–24 ≤30 W; Total ≤360 W
PoE Power Consumption Management	PoE power consumption management; PoE power on/off; Turns off PoE if overload is detected; Green PoE
PoE Pin Assignment	1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)
Spanning Tree Protocol	STP/RSTP
VLAN Function	Port-based VLAN
Link Aggregation	Static link aggregation, LACP
IEEE 802.3x Flow Control	Yes
DHCP Function	DHCP Client
Communication Standard	IEEE802.3; IEEE802.3u; IEEE802.3X; IEEE 802.3ab; IEEE 802.3z

Packet Forwarding Rate	6.55 Mpps
Packet Buffer Size	2.75 Mbit
MAC Table Size	4K
VLAN Number	31
Switching Capacity	8.8Gbps
Security	Multi-level user management and password; protection; 802.1X; RADIUS; Port isolation
QoS/ACL	SP/WRR queue scheduling
Equipment Management	SNMPv1/v2/v3; System logs, multi-level alarms; LLDP
Debugging	1 × Console port
Reset Button	1
Power Supply	Included, Built-in power supply: 100–240 VAC, 50/60 Hz, 6 A
Operating Temperature	+14 °F to +131 °F (–10 °C to +55 °C)
Operating Humidity	5%–95% (RH)
Static Protection	Air discharge: 8 kV; contact discharge: 6 kV
Lighting Protection	Common mode: 4 kV; differential mode: 2 kV
Weight	7.58 lb (3.44 kg)
Dimension(W×D×H)	17.32" × 11.81" × 1.73 (440 mm × 300 mm × 44 mm)
Material	Sheet Metal
Installation	Desktop mount; rack mount

## Transmission Performance

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ePoE Power Supply Specifications (CAT) - ePoE switch power supply voltage 53V. 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

ePoE Power Supply Specifications (RG59 Coaxial Cable) -ePoE switch power supply voltage 53V. RG-59, max. DC resistance < 5Ω/100m.

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	25.5	30	E100
400	100	20	23	E100
500	10	16	16	E10
800	10	10	10	E10
1000	10	8	8	E10