

PWR-EPOE-16-V2

16-Port Managed ePoE Switch



- Layer-two web managed ePoE switch
- Supports long distance PoE transmission up to 800m with ePoE technology
- Ports 1-8 support ePOE and POC technology
- Both twisted-pair transmission and coaxial cable transmission.
- PoE management, Green PoE, Legacy Support
- Supports web and port management, 802.1Q VLAN, STP/RSTP, LACP, 802.1X, QoS
- IEEE802.3af, IEEE802.3at and Hi-PoE compliant

System Overview

The PWR-EPOE-16-V2 is a 16-port ethernet switch, which supports up to 2600+feet (800 meters) long distance ePoE transmission using ePoE rated cameras (ePOE supported on ports 1-8). 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 Intelligent PoE, PoE Watchdog, Green and Eternal PoE management.

Technical Specification

System

Model	PWR-EPOE-16-V2
Ethernet Ports	Port1-16: 16 × RJ-45 10/100 Mbps; Port17-18: 2 × RJ-45 10/100/1000 Mbps; Port17-18: 2 × SFP 1000 Mbps (combo)
Ethernet Port Speed	10/100 Mbps
Ethernet Port Uplink Speed	10/100/1000 Mbps
Optical Port Uplink Speed	1 Gbps
Layer	Layer 2
Management	Supported
Switching Capacity	8.8 Gbps
Packet Forwarding Rate	5.36 Mbps
Packet Buffer Size	2.75 Mbit
MAC Table Size	4K
VLAN Number	31
VLAN Function	Port-based VLAN
Communication Standards	IEEE802.3; IEEE802.3u; IEEE802.3X; IEEE 802.3ab; IEEE 802.3z
PoE Protocol	IEEE802.3af; IEEE802.3at; Hi-PoE
PoE Power	Port 1-2 ≤60 W; Port 3-16 ≤30 W; Total ≤240 W
PoE Pin Assignment	1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)

PoE Power Management	PoE power consumption management; PoE power on/off; Automatic PoE shutdown if overload is detected; Green PoE
ePoE	Supported (Ports 1-8)
Spanning Tree	STP, RSTP
Port Aggregation	Static link aggregation, LACP
IEEE 802.3x Flow Control	Supported
Multicast	IGMP Snooping v1/v2
DHCP Function	DHCP Client
QoS/ ACL	SP/WRR queue scheduling
Network Management	SNMPv1/v2/v3; System logs, and multi-level alarms; LLDP
Security	Multi-level user management and password; protection; 802.1X; RADIUS; Port isolation

General

Power Supply	Built-in power supply: 100-240 VAC, 50/60 Hz, 6 A (Included)
Power Consumption	Full load: 240 W
Debugging	1 × Console port
Reset Button	1
Operating Temperature	+14 °F to +131 °F (-10 °C to +55 °C)
Operating Humidity	5%-95% (RH)
Storage Temperature	-4 °F to +158 °F (-20 °C to +70 °C)
Storage Humidity	5%-95% (RH)
Certifications	CE; FCC
Statics Protection	Air discharge: 8 kV; contact discharge: 6 kV
Lighting Protection	Common mode: 4 kV; differential mode: 2 kV
Casing	Sheet metal
Installation	Desktop mount; rack mount
Product Dimensions	17.32" × 11.81" × 1.73" (440 mm × 300 mm × 44 mm)
Packaging Dimensions	22.24" × 20.87" × 16.34" (565 mm × 530 mm × 415 mm)
Net Weight	6.92 lb (3.14 kg)
Gross Weight	9.08 lb (4.12 kg)

Transmission Performance

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

ePoE Power Supply Specifications (CAT)

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 switch power supply voltage 53V.
RG-59, max. DC resistance < 5Ω/100m.

ePoE Power Supply Specifications (RG59 Coaxial Cable)

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