PWR-POE-8-V3

8-Port Unmanaged PoE Switch

- Supports PoE power management
- 96W PoE budget
- Intelligent PoE, PD Alive support
- Long Distance Mode supports IP cameras up to a max of 820ft (250m)
- Conforms to IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt (Port 1 supports Hi-PoE)

System Overview

The PWR-POE-8-V3 is an 8-port, unmanaged ethernet switch, which supports up to 820 feet (250 meters) long distance PoE transmission. It provides 8x 10/100Mbps PoE ports and 2x 10/100/1000Mbps uplink ports and is equipped with two transmission modes (Default/Extend), which are controlled by DIP switch.

The switch also features PD Alive, watchdog function that will attempt to reboot a device that becomes unresponsive automatically, as well as Intelligent PoE, which manages POE power consumption fluctuations in severe environments.

Technical Specification

System

Model	PWR-POE-8-V3
Ethernet Port	Port 1–8: 8 × RJ-45 10/100 Mbps (PoE) Port 9-10: 2 × RJ-45 10/100/1000 Mbps (Uplink)
PoE PIN Assignment	1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)
PD Alive	Supported
Intelligent PoE	Supported
Consumption	Idling: 3 W; Full load: 96 W
PoE Protocol	IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt The red port supports the IEEE802.3bt and Hi-PoE standards. Maximum power consumption is 90 W. (Some PoE ports may not be powered due to power budget limitations if Hi-PoE is used)
Switching Capacity	5.6Gbps
Packet Forwarding Rate	4.17Mpps
Packet Buffer Memory	4Mb
MAC Table Size	8K
Communication Standards	IEEE802.3/IEEE802.3u/IEEE 802.3ab/IEEE802.3x
Application Humidity	5%~95%
Power	DC 48~57V power adapter
Static Protection	Air discharge: 8 kV Contact discharge: 6 kV
Lightning Protection	Common mode: 4 kV Differential mode: 2 kV
Working Temperature	+14°F to +131°F (-10°C~55°C)
Weight	1.10 lb (0.50 kg)
Dimension(W×D×H)	7.48" × 3.94" × 1.18" (190mm×100mm×30mm)

Transmission Performance

Switch power supply voltage 53V.
CAT5E/CAT6. Max. DC resistance < 10Ω/100m

Note: Data from this table is for reference only. If there is inconsistency between field application and the table, the field results shall prevail.

Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
IEEE802.3bt 90W		
100	71.3	100
150	62	10
200	51	10
250	40	10

Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
Hi-PoE 60W		
100	53	100
150	50	10
200	47	10
250	37	10
IEEE802.3at 30W		
100	25.5	100
150	25.5	10
200	25.5	10
250	25.5	10

Dimensions (mm/in)