8-Port Gigabit PoE++ Ethernet Switch

Intelligent PoE

Hi-PoE 90W (Red Port)

Long Distance PoE

PoE Watchdog

All-Gigabit Ports

Wide Working Temperature

FEATURES

- Intelligent Plug and Play Ethernet Switch
- 8 x 10/100/1000Mbps RJ45 Ports (PoE++) Port 1 ≤90W, Port 2 – 8 ≤30W, Total 96W
- 2 x 10/100/1000Mbps RJ45 Ports (Uplink)
- Long Distance PoE Transmission
- PoE Watchdog
- Operating Temperature: –10°C to 55°C

FUNCTIONS

Intelligent PoE

Provides control over power consumption and offers real-time monitoring to ensure power supplies receive priority with important ports and to prevent malfunctions caused by changes in power consumption. Supports ultra wide power supplies and is able to adapt to IP Camera power fluctuations.

Hi-PoE 90W (Red port)

The red port supports IEEE802.3af, IEEE802.3at, IEEE802.3bt and Hi-PoE standards, with a maximum output power consumption rate of 90W per red port. Suitable for powering Hi-PoE devices.

Long Distance PoE

By dialing or enabling long-range transmission on the WEB interface, the transmission distance of a PoE port can increase up to 250m, meeting the requirements of wired transmission (bandwidth reduced to 10 Mbps).

PoE Watchdog

Adopts the innovative PoE Watchdog. PoE Watchdog can be switched on by toggling on PD Alive. It enables the switch to automatically detect the ports status and restart the failed port in case an IP Camera connection fails. This enables intelligent operation and maintenance management in its truest sense, reducing manual maintenance costs.
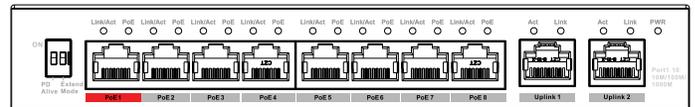
8-pin Assignment PoE Power Supply

Supports 8-pin simultaneous power supply (1/2/4/5 positive, 3/6/7/8 negative). Signal lines and idle lines supply power at the same time. Compatibility with IP Cameras are enhanced. Cable loss is reduced and loading capacity is increased.

IC FC CE

PERFORMANCE	
Switching Capacity	20 Gbps
Packet Forwarding Rate	14.88 Mpps
Packet Buffer Memory	1.5 Mbit
MAC Table Size	4K

HARDWARE	
Data Transmission Ports	1-8: 8 x RJ45 10/100/1000Mbps Ports
	9-10: 2 x RJ45 10/100/1000Mbps Ports (Uplink)
Power Supply	48–57V DC
Operating Temperature	-10°C to +55°C
Operating Humidity	10%–90%

POE	
PoE Budget	Port 1 ≤90W, Port 2 – 8 ≤30W, Total 96W
PoE Pin Assignment	PoE: 1, 2, 4, 5(V+), 3, 6, 7, 8(V-)
PoE Power Management	Yes
Long Distance PoE Transmission	Yes
Power Consumption	Idling: 3W
	Full load: 96W
PoE Standard	IEEE802.3af, IEEE802.3at, Hi-PoE, IEEE802.3bt

GENERAL	
ESD	Air discharge: 8kV
	Contact discharge: 6kV
Lightning Protection	Common mode: 4kV
	Differential mode: 2kV
Product Dimensions (W × L × H)	190mm × 100mm × 30mm (7.48" × 3.94" × 1.18")
Communication Standards	IEEE802.3, IEEE802.3u, IEEE 802.3ab, IEEE802.3x

TRANSMISSION PERFORMANCE:

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

CABLE (M)	LOAD CAPACITY (W)	BANDWIDTH (Mbps)
IEEE802.3bt 90 W		
100	71.3	100
150	62	10
200	51	10
250	40	10
Hi-PoE 60 W		
100	53	100
150	50	10
200	47	10
250	37	10
IEEE802.3at 30 W		
100	25.5	100
150	25.5	10
200	25.5	10
250	25.5	10

Note: Data from this table was collected by our manufacturers test lab and is for reference only. The actual transmission distance may vary due to power consumption of connected devices or the cable type and status.

PANELS

DIMENSIONS (mm [inch])

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