PWR-EPOE-16
16-Port Managed ePoE Switch

IC REALTIME

- 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
- Ports 1-8 support both twisted-pair transmission and coaxial cable transmission
- Supports PoE management, Green PoE, Legacy Support
- Supports web and port management, 802.1Q VLAN, STP/RSTP, LACP, 802.1X, QoS
- Conform IEEE802.3, IEEE802.3u, IEEE802.3ab/z and IEEE802.3X standards

System Overview

The PWR-EPOE-16 is a 16-port ethernet switch, which supports up to 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 Web and port management and adopts PoE and PoC power supply technology, which simplifies construction and wiring.

Technical Specification

System

Model	PWR-EPOE-16
Ethernet Port	2*10/100/1000 Base-T 2*1000 Base-X (Combo ports) 16*10/100 Base-T (PoE power supply)
PoE Power Consumption	Port1 and port 2 support Hi-PoE 60W Each power≤30W, Total≤240W
PoE Protocol	IEEE802.3af, IEEE802.3at, Hi-PoE
PoE Budget	240W
Switching Capacity	8.8Gbps
Flow Control	Support half-duplex based on back pressure type Control; Support full duplex based on PAUSE frame
Long Distance Mode	Extends the maximum distance from 100m to 800m
Packet Forwarding Rate	5.36Mpps
Packet Buffer Memory	2.75Mb
MAC Table Size	4K
Application Humidity	10%~90%
Power	AC100-240V, 50/60Hz
Lightning Protection	Common Mode 4KV Differential Mode 2KV
Working Temperature	-10°C~55°C
Weight	3.12kg
Dimension(W×D×H)	440mm x300mm x44mm
Login	Username / password: admin/User Defined

Default IP Address	192.168.1.110/24
VLAN	802.1Q Standard VLAN
Spanning Tree	STP, RSTP
Port Aggregation	Static link aggregation, LACP
Mirroring	Support many-to-one port mirroring
Security Features	Hardware supports IP+MAC binding based on port Supports IEEE802.1x port authentication
System Maintenance	One-key recovery of default, Supports updated packet upload and logs
QoS	Supports high and low priority, WRR; 802.1P, DSCP; Supports priority according to protocol
Network Management	WEB (http and https protocol), Support SNMP V1/V2C/V3
PoE Management	Support PoE power consumption, PoE on/off of IPC configuration, power down when exceeding the value of overload power; Supports PoE event statics, Green PoE and Legacy Support

Transmission Performance

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 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

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