

4-Port PoE Switch

LanPOE

Model:
4P-GPOE-156EX

Type:
Ethernet Switch 4x10/100/1000Base-T



Overview

This 4-port PoE switch seamlessly integrates, auto-detecting and energizing devices per IEEE802.3af, IEEE802.3at, and IEEE802.3bt standards. Port 1 reigns supreme, supporting IEEE802.3af/at/bt with a robust PoE++ at 60W, while Ports 2-4 offer steadfast support at 30W each. This Power over Ethernet marvel not only transmits data signals to IP-based terminals but also extends a lifeline of DC power, ensuring a network that's simple, convenient, and high-performing.

Features

- Comply with IEEE 802.3, IEEE 802.3u, IEEE802.3af/at/bt standards
- Ethernet port supports 10/100/1000M adaptive and PoE functions
- Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts back pressure standard
- Support Port Auto-flip (Auto MDI/MDIX)
- Automatically supplied to adaptive devices
- Panel indicator monitoring status and help failure analysis
- Support PoE Watchdog Function
- Lightning Protection Surge: General Mode 6KV, Differential Mode 4KV, ESD 8KV.

Typical Application

Metro Optical Broadband Network

- Data network operators such as telecommunications, cable TV, and network system integration, etc.

Broadband private network

- Suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries

Multimedia transmission

- Integrated transmission of images, voice and data, suitable for remote teaching, conference TV, videophone and other applications

Real-time monitoring

- Simultaneous transmission of real-time control signals, images and data

Specifications

Provider Mode Ports

Fixed port

- 6*10/100/1000 Base-T

Power interface

- AC220V

LED Indicators

- P, active, speed

Cable type & Transmission distance

Twisted-pair

- 0-100m/250M

Network Topology

Ring topology

- Not supported

Star topology

- Supported

Bus topology

- Supported

Tree topology

- Supported

Electrical Specifications

Input voltage

- < 3W

Total Power consumption

- < 5.65W

PoE Function

PoE Protocol

- Port 1-4 support 802.3af, 802.3at
- Port 1 supports 802.3af, 802.3at, 802.3bt

Pin Assignment

- 1,2+/3,6-

PoE Port

- 1-4 (only Port 1 supports BT60w)

Mechanical Dimensions

Product Size (L *W*H)

- 202 * 140*44mm

Installation Method

- Desktop

Packing Info

- 22.lkgs/20pcs/664*430*375mm

Specifications

DIP Switch

1. PoE Watchdog

- When the switch port communication fails, the corresponding port POE will automatically detect and restart, restore network communication by itself, and reduce manual intervention and maintenance.

2. Link Extension Mode

- It adopts data extension mode and breaks through the limit of 100 meters.
- It can provide 10Mbps rate and 250 meters long-distance power transmission, and solve the project power supply such as monitoring engineering and wireless coverage.
- The problem of insufficient distance can replace the extender and part of the fiber, expand the scope of equipment and reduce engineering costs.

3. Port Isolation Mode

- The PoE ports of the switch cannot communicate with each other, and can only communicate with Uplink ports.
- It effectively suppresses network storms, prevents virus propagation and network attacks, and improves network performance.

4. Storm Control

- Storm control enables the switch to monitor traffic levels and to drop broadcast, multicast, and unknown unicast packets when a specified traffic level is exceeded (storm control level).
- This prevents packets from proliferating and degrading the LAN

Specifications

Performance

Switching Capacity	• 12Gbps
Throughput	• 8.9Mpps
MAC Address table	• 4K
Forwarding delay	• < 10us
MDX/MIDX	• Supported

Certificates

Security Certificate	• CE, FCC, RoHS
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Environment

Operating Temperature	• -10°C~+50°C
Storage Temperature	• -40°C~+ 70°C
Relative humidity	• 5%~90% (non-condensing)
Thermal methods	• Fan-less, natural cooling
MTBF	• 100,000 hours

Emc & Ingress Protection

Surge protection of Ethernet port	• IEC 61000-4-5 Level 4(4/2KV) (10/700us)
ESD	• IEC 61000-4-2 Level 4 (8K/15K)
Free Fall	• 0.5m

Have a question?

For troubleshooting LanPoE Smart Networking Products, please reach out to our support team and provide detailed information for assistance.

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