

# 8-Port PoE Switch

LanPOE

**Model:**  
8P-GPOE-120EX

**Type:**  
Ethernet Switch 8x10/100/1000Base-T



## Overview

This 8-Port PoE switch transforms network dynamics with 8x 10/100/1000M POE+ Uplink and 2 Gigabit RJ45 ports. Crafted with precision, it delivers IEEE 802.3bt PoE++ at 90W on Port 1, guaranteeing seamless 10/100/1000M Ethernet connections. The intelligent PoE supply auto-detects and powers devices, turning IP-based devices into high-performance hubs. With top-tier engineering, this switch ensures stability and elevated network performance for an unparalleled user experience.

## Features

- Comply with IEEE 802.3, IEEE 802.3u, IEEE802.3af/at/bt standards
- Ethernet port supports 10/100M 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)
- Panel indicator monitoring status and help failure analysis
- Lightning Protection Surge: General Mode 6KV, Differential Mode 4KV, ESD 8KV

## Typical Application

With simple and convenient installation and maintenance methods and rich business features, it helps users to build a safe and reliable high-performance network. It can be widely used in Ethernet access scenarios such as small and medium-sized enterprises, Internet cafes, hotels, and schools.

### 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

- 8 x 10/100/1000M PoE Ports
- Uplink 2 x 10/100/1000M RJ45 Ports

Power interface

- Input AC 100-240V, 50/60Hz, 52V 2.3A

### Performance

Switching Capacity

- 20Gbps

Throughput

- 14.88Mpps

Buffer

- 2.5M

MAC Address

- 2K

Jumbo Frame

- 9216bytes

Transfer Mode

- Store and forward

### Environment

Operating Temperature

- -10°C~+50°C

Storage Temperature

- -40°C~ 70°C
- 5%~90% (non-condensing)

Relative humidity

- 10%~90% (non-condensing)

Working Height

- Maximum 10,000 feet

Storage Height

- Maximum 10,000 feet

## Specifications

### Standard

#### Network Protocol

- IEEE802.3 (IOBase-T)
- IEEE802.3u (IOBase-TX)
- IEEE802.3ab (IOBase-TX)
- IEEE802.3x (Flow control)

#### PoE Protocol

- IEEE802.3af (15.4W)
- IEEE802.3at (30W)
- 1 port supports IEEE802.3af/at/poe++/bt max. 90W PoE out
- 2-8 port support IEEE802.3af/at, max. 30W/port, PoE out af/at: 12+ 36-af/at/poe++/bt: 12+ 45+ 36-78
- PoE Dog: PoE auto execution, detection and reset fault device, when PoE is on

#### Industry Standard

- EMI: FCC Part 15 CISPR (EN55032) class A
- EMS: EN61000-4-2 (ESD), EN61000-4-4 (EFT), EN61000-4-5 (Surge)
- Shock: IEC 60068-2-27
- Free Fall: IEC 60068-2-32
- Vibration: IEC 60068-2-6

#### Network Medium

- IOBase-T: Cat3, 4, 5 or above UTP (:s;|00m)
- IOBase-TX: Cats or above UTP (:s;|00m)
- IOBase-TX: Cats or above UTP (:s;|00m)

### Certificates

#### Security Certificate

- CE, FCC, RoHS

## Specifications

### Indicators

#### DIP Switch

- (S) Link Extension Mode  
1-8 ports force IOM  
Link 250meter transmission distance
- (V) VLAN Port Isolation Feature  
When switching the DIP to the 'V' position  
Ports 1 to 8 are not able to communicate with one another.  
This helps to prevent the IP camera's multicast or broadcast storm from influencing one another
- (P) Flow Control

#### LED Indicators

- P: Power LED (over-power LED)
- Uplink: Link LED=10/100M Link, 1000M=Gigabit Link
- Port: Orange=PoE LED Green=LAN Link LED
- V: Port isolation LED
- S: Super mode LED

### Mechanical Dimensions

#### Structure Size

- Product Dimension: 210\*150\*35mm
- Package Dimension: 365\*220\*68mm
- N.W: 0.8kgs
- G.W: 1.2kgs

#### Structure Size

- Carton MEAS: 550\*455\*365mm
- Packing Qty: 20pcs
- Packing Weight: 25.5kgs

## Have a question?

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

**Phone:**  
877-725-8869

**Email:**  
[sales@lanpoe.com](mailto:sales@lanpoe.com)