PG0226P300w

Unmanaged AI PoE Switch 26x10/100/1000Base-T (Port1-2 BT90w), 2x1000Base-X

Overview

PG0226P300w is a 24x10/100/1000Base-T PoE + 2x10/100/1000Base-T+2x1000Base-X Ethernet Switch, providing seamless network connectivity. It supports automatic detection and power supply for devices that comply with IEEE802.3af, IEEE802.3at, and IEEE802.3bt standards. PoE (Power over Ethernet) enables the transmission of both data and DC power to IP-based devices (e.g., IP phones, wireless access points, network cameras). These powered devices receive DC power via PoE. The device offers easy installation and maintenance, along with rich business features, helping users build a secure and high-performance network.

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.

Specifications

Provider Mode Ports

Fixed Port	26x10/100/1000Base-T+2x1000Base-X
Power Interface	AC Interface
Led Indicators	PWR
Optical Fiber Interface	SFP

Cable Type & Transmission Distance

Twisted-Pair	0-100m/250m
Single Mode Optical Fiber	20/40/60/80/100KM
Multimode Optical Fiber	550M

Network Topology

Ring Topology	Not Support
Star Topology	Support
Bus Topology	Support
Tree Topology	Support

Electrical Specifications

Input Voltage	AC100~240V 50/60Hz
Mainboard Power	≤19W
Total Power Consumption	≤300W

PoE Support

PoE Standard	802.3af, 802.3at
Pin Assignment	1, 2+/3, 6-
PoE Port	1-24

PoE++ Support

PoE Protocol	802.3af, 802.3at, 802.3bt;
Pin Assignment	1, 2, 4, 5+; 3, 6, 7, 8-
PoE Port	1-2(90w)

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- Extension 250m	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	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 – called the storm control level – is exceeded, thus preventing packets from proliferating and degrading the LAN

Layer 2 Switching

Switching Capacity	56G
Packet Forwarding Rate	41.66Mpps
MAC Address Table	8K
Buffer	4.1M
Forwarding Delay	<10us
MDX/MIDX	Support
Jumbo Frame	Support 10K bytes
Storm Control	Support

Environment

Operating Temperature	-10℃~+50°C
Storage Temperature	-40℃~+70℃
Relative Humidity	5%~95% (non-condensing)
Thermal Methods	Fan cooling
MTBF	100,000 hours

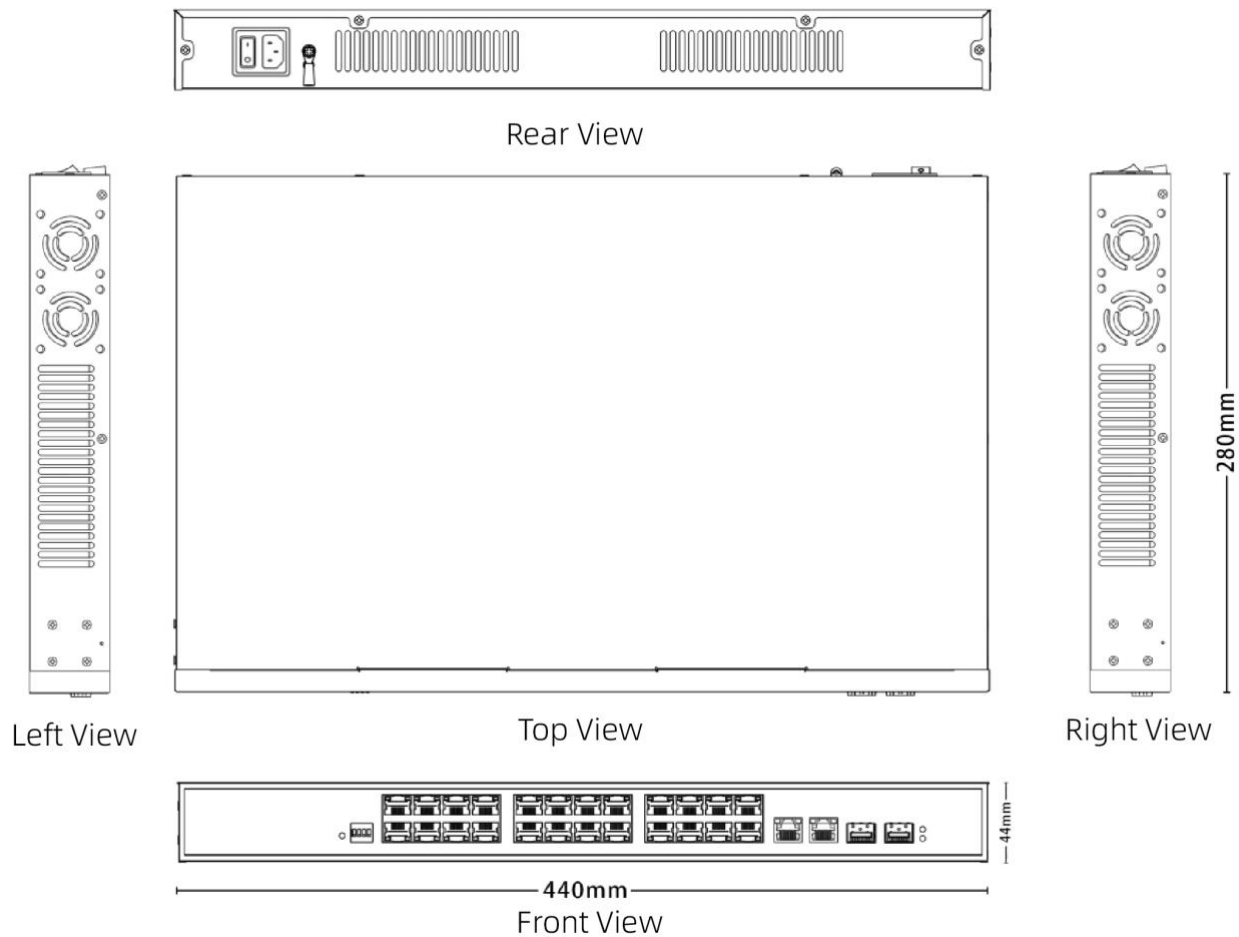**EMC & INGRESS PROTECTION**

Surge Protection of Power	Common Mode 4KV, Differential Mode 2KV
Surge Protection of Ethernet Port	Common Mode 6KV, Differential Mode 2KV
ESD	Contact 8K, Air 15K
Free Fall	0.5m

Mechanical Dimensions

Product Size (L x W x H)	440x280x44mm
Installation Method	Rackmount

Weight	3.5KG
Packing Info	5pcs, 24.64kg, 54x49.5x41cm
Certification	
Certificates	CE, FCC, RoHS

Dimension

Rear View

Left View

Top View

Right View

280mm

44mm

440mm

Front View

Ordering Information

P/N	Description
PG0226P300w	Unmanaged AI PoE Switch 26x10/100/1000Base-T (Port1-2 BT90w), 2x1000Base-X Total Power Consumption 300w