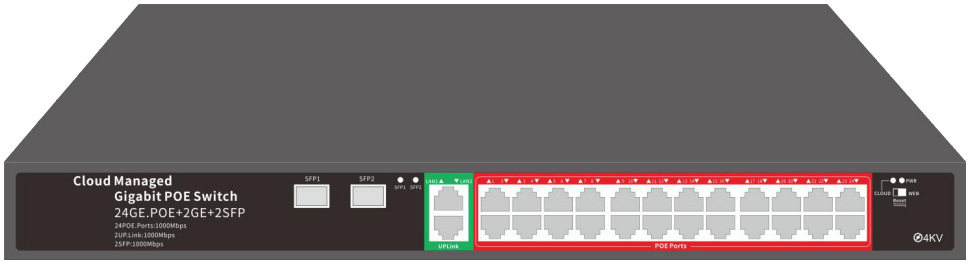
The Specification Of Cloud-managed PoE Switch Series (FEP2422gs-w360)

1. Product Introduction

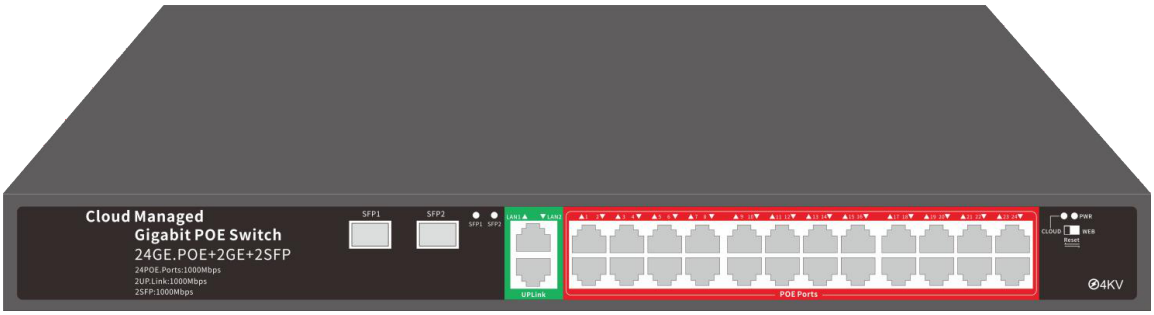
FEP2422gs-w360 is a cloud-managed, full-gigabit PoE switch with sixteen 10/100/1000 Mbps PoE RJ45 ports, two 10/100/1000 Mbps uplink RJ45 ports, and one 1000 Mbps SFP interface. The PoE ports automatically identify IEEE 802.3af/at powered devices. The switch supports remote monitoring and management through the Cloud Network Management mobile application and provides a total power budget of 360 W.



2. Functional Features

- Complies with IEEE 802.3 and IEEE 802.3u Ethernet standards.
- Twenty-four 10/100/1000 Mbps IEEE 802.3af/at PoE ports, two gigabit uplink RJ45 ports, and two gigabit SFP interfaces.
- Intelligent PoE detection prevents power delivery to incompatible non-PoE devices.
- Cloud network management for remote monitoring, configuration, and troubleshooting.
- Overcurrent, overload, overvoltage, and short-circuit protection.
- 4 kV common-mode and 4 kV differential-mode surge protection.
- Auto MDI/MDI-X on all Ethernet ports.
- IEEE 802.3x full-duplex flow control and backpressure half-duplex flow control.
- Automatic MAC address learning and aging.
- Store-and-forward switching architecture.
- All-metal enclosure with a 360 W power supply.
- Plug-and-play installation.

3. Indicator Definitions



Indicator	Definition	Functional Description
PWR	Power indicator	ON: the switch is powered and operating.
Link/ACT	Port activity	ON: port link is normal; flashing: data transmission is in progress.

4. Basic Specifications

Item	Parameter
Port composition	24 x 10/100/1000 Mbps PoE RJ45 + 2 x 10/100/1000 Mbps uplink RJ45 + 2 x 1000 Mbps SFP
Backplane bandwidth	56 Gbps
MAC address table	8K
Power input	AC 100-250 V; 360 W power supply
PoE line sequence	Mode A/B: 1/2, 3/6 and 4/5, 7/8
Transmission distance	1000Base-T: Cat5e or better, up to 100 m 100Base-TX: Cat5 or better, up to 100 m 10Base-T: Cat5e or better, up to 250 m

5. Software Specifications

Item	Parameter
Basic functions	Store-and-forward switching Automatic MAC learning and aging IEEE 802.3x full-duplex flow control Backpressure half-duplex flow control
Ethernet and PoE standards	IEEE 802.3 / 802.3i / 802.3u / 802.3ab / 802.3z IEEE 802.3af and IEEE 802.3at PoE
Data transfer rate	10 Mbps half duplex / 20 Mbps full duplex 100 Mbps half duplex / 200 Mbps full duplex 1000 Mbps full duplex: 2000 Mbps aggregate

Item	Cloud / Management Capability
Information view	Switch serial number, model, firmware version, real-time IP, real-time port power, LINK status, duplex status, and upload/download rate.
Device operations	Port isolation, port restart, PoE on/off, extended-distance mode, full-switch restart, factory reset, and firmware upgrade.
Remote management	Cloud Network Management Mini Program / mobile APP remote management.

6. PoE Performance And Protection

Item	Parameter
IEEE 802.3af	Supported
IEEE 802.3at	Supported
Maximum output per PoE port	30 W
Overcurrent protection	Supported
Overvoltage protection	Supported
Short-circuit protection	Supported
Sequential startup	Supported
High-power PD soft start	Supported

7. Environmental Requirements

Environment	Parameter
Temperature	Operating: 0 C to 40 C Storage: -40 C to 70 C
Humidity	Operating: 10% to 90% RH, non-condensing Storage: 5% to 90% RH, non-condensing
Altitude	Operating and storage: up to 6500 ft (2000 m)

8. Weight

Category	Weight
Bare machine	Approximately 2.5 kg
Master carton	Approximately 15 kg (5 pcs)

9. Lightning Surge Protection

Performance	Parameter
Differential mode (10/700 us)	4 kV
Common mode (10/700 us)	4 kV

10. Size Specifications

Category	Parameter
Bare machine	440 x 180 x 45 mm (including rack ears)
Neutral package	465 x 265 x 90 mm
Master carton	480 x 470 x 280 mm

11. Package

Item	Parameter
Protection	Left and right pearl-cotton inserts, fully wrapped
Carton	High-quality kraft carton
Packaging quantity	5 pcs per carton
Identification	Unique device serial number on equipment and carton; carton labeled with model and quantity