



100M 16-24 port POE powered fiber optic switch

100M 1 optical 16 electrical/2 optical 24 electrical POE power supply switch provides 16-24 100M POE electrical ports + 2 Gigabit SFP ports. The POE electrical ports support IEEE 802.3af/at power supply standards. The maximum output POE power of a single port is 15.4W, and the maximum output POE power of the whole machine is 370W. The POE series switches are in a leading position among similar products, can meet the networking needs of large networks, and have rich intelligent and security features. They are widely used in campus access (such as office and monitoring, wireless AP and other POE scenarios), Gigabit to desktop and other scenarios.

PRODUCT DETAIL

Technical Parameters

- ◆ Ethernet UTP interface
 - Speed: 10M or 100M, full duplex, half duplex fully adaptive
 - Protocol: Support IEEE 802.3, IEEE 802.1Q (VLAN)
 - MAC address table: can learn 4096 MAC addresses
 - Physical interface: RJ45 socket supports AUTO-MDIX (cross line and straight line adaptive)

- ◆ Optical Ethernet interface
 - Fiber port: 1.25Gbps/SFP
 - Speed: 1000M, full-duplex or half-duplex mode
 - Protocol: Support IEEE 802.3, IEEE 802.1Q (VLAN)
 - MAC address table: can learn 4096 MAC addresses
 - Physical interface: SFP

The distance of fiber optic transmission is limited by the loss of the optical path and the additional loss caused by the connecting terminals, connectors, and patch panels. The transmission distance may also be limited by the bandwidth of the fiber optic cable.

- ◆ Ethernet POE features
 - PoE standard: IEEE 802.3af (port output power 15.4W)
 - PoE Type: End Spanning
 - PoE port characteristics: port output power 15.4W (IEEE802.3af)
 - PoE transmission core: 1/2+, 3/6-wire pairs

- ◆ Electrical and mechanical characteristics
 - Power supply: built-in power adapter (input AC220V, output 48V 3A)
 - Appearance structure: Rack type (can be mounted on a cabinet)

- ◆ Working environment
 - Working temperature: -10°C ~50°C
 - Working humidity: 5% ~ 95% (non-condensing)
 - Storage temperature: -40°C~80°C
 - Storage humidity: 5%~95% (no condensation)

PRODUCT FEATURES

- ◆ Automatically adapt to 10Mbps and 100Mbps environments to facilitate network upgrades;
- ◆ The device provides 24 Ethernet electrical ports and 2 Ethernet optical ports;
- ◆ Ethernet port supports standard IEEE802.3af power supply;
- ◆ The maximum power of the Ethernet power supply port is 15.4W;
- ◆ Support full-duplex and half-duplex network communications, with automatic negotiation capability;

APPLICATION ENVIRONMENT

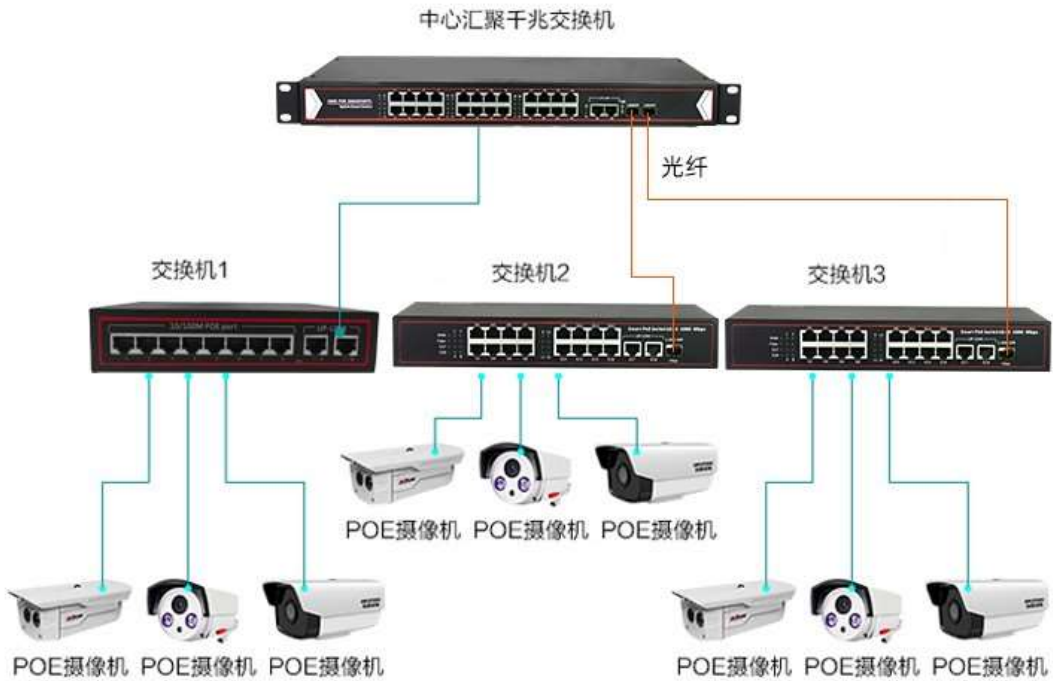
- ◆ Million high-definition monitoring transmission and power supply
- ◆ Wireless AP layout transmission and power supply
- ◆ Internet phone transmission, smart home system
- ◆ Urban intelligent traffic monitoring system (ITS), safe city, wireless city
- ◆ Highway monitoring system, electronic road monitoring, snapshot system
- ◆ Large-scale factory and mine enterprise security monitoring system, network multi-functional system
- ◆ Remote multimedia teaching/campus monitoring, video conferencing system
- ◆ Building intercom, wireless communication, video monitoring

Connection diagram

方式一：海康、大华、雄迈、中维、非POE摄像头



方式二：POE级联供电，支持上百台摄像机同时供电



MODEL : 100M TX-POE-16 / TX-POE-24 Series

POE switches are widely used in education, medical, government, finance, electricity, operators and the Internet for wireless AP access, surveillance camera access or other equipment that requires POE power supply. They provide remote power supply in POE and POE+ mode, solving the problem of power cables being unable to be laid or being inaccessible to the greatest extent.

SPECIFICATION

- Product name: 100M 16-port POE + 2 Gigabit Ethernet ports + 1 Gigabit SFP optical port switch
- Product model: TX-POE-16E2GE1GF-U
- Product description: 10/100M adaptive fast Ethernet fiber optic transceiver
- Lightning protection level: Level 3 lightning protection
- Fiber optic interface: SFP interface (SFP plug-in module)
- Transmission distance: 20 kilometers for single-mode transmission, 500 meters for multi-mode transmission
- Transmission wavelength: 1310nm/1550nm
- Duplex mode: Full duplex/half duplex
- Backplane bandwidth: 16G
- Single port power: 15.4W
- Port description: 16 10M/100M copper cable RJ45 ports + 2 1000M copper cable RJ45 ports
- Network medium: Category 5 and above unshielded twisted pair (≤ 100 meters)
- Forwarding method: store and forward
- Network interface: RJ45 (automatically adapts to 10M/100Mbps/1000Mbps environment)
- Supported protocols: IEEE 802.3, IEEE 802.3u, IEEE 802.3x
- Network bandwidth: 1000Mbps (actual operation can reach 700-800Mbps)
- Working environment: Temperature: $-30^{\circ}\text{C}\sim 75^{\circ}\text{C}$, Humidity: 0~95% (no condensation)
- Power supply: built-in power adapter (input AC220V, output 48V 3A)
- Power consumption of the whole machine: 120W (Input: DC48V 3000mA)
- Weight: 1.5KG/set
- Origin: Shenzhen, China

Model Series :

product name	Product number
100M 8-port POE + 2 Gigabit Ethernet ports + 1 Gigabit SFP (96W power supply - desktop)	TX-POE-8E2GE1GF
100M 16-port POE + 2 Gigabit Ethernet ports + 1 Gigabit SFP optical port (150W power supply - desktop)	TX-POE-16E2GE1GF
100M 16-port POE + 2 Gigabit Ethernet ports + 1 Gigabit SFP optical port (260W power supply - desktop)	TX-POE-16E2GE1GF
100M 16-port POE + 2 Gigabit Ethernet ports + 1 Gigabit SFP optical port (rack-mounted - 260W power supply)	TX-POE-16E2GE1GF-U
100M 16-port POE + 2 Gigabit Ethernet ports + 1 Gigabit SFP optical port (rack-mounted - 380W power supply)	TX-POE-16E2GE1GF-U
100M 24-port POE + 2 Gigabit Ethernet ports + 1 Gigabit SFP optical port (rack-mounted - 260W power supply)	TX-POE-24E2GE1GF-U
100M 24-port POE + 2 Gigabit Ethernet ports + 1 Gigabit SFP optical port (rack-mounted - 380W power supply)	TX-POE-24E2GE1GF-U
100M 24-port POE + 4 Gigabit Ethernet ports + 2 Gigabit SFP optical ports (rack-mounted - 260W power supply)	TX-POE-24E4GE2GF-U
100M 24-port POE + 4 Gigabit Ethernet ports + 2 Gigabit SFP optical ports (rack-mounted - 380W power supply)	TX-POE-24E4GE2GF-U