



## EM-1100-2S4RP

### Gigabit POE Optical Fiber Switch

#### Product description

Four 10/100/1000 Mbps RJ45 POE + power Supply-Two 1000 Mbps optical fiber interface, the whole POE power supply power up to 65W, single-port maximum POE power supply for 65W standard switching, VLAN isolation, POE power supply port support priority mechanism.

POE optical transceiver is designed by Communications to meet the demand of PoE power supply. It adopts the latest high-speed Ethernet switching chip in the United States, ultra-high backplane bandwidth design, has the ability of extremely fast data processing, and improves the smooth data transmission performance. It has 1-4 POE + power supply RJ45 ports and 2 Gigabit up-link optical fiber ports. Among them, 1-4 RJ45 ports all support the standard PoE power supply of IE802.3af/at. The maximum power supply of a single port is 15.4W/25.5W, and the maximum power supply of the whole machine is 125 W. It can automatically detect and identify the electrical equipment that meets the standard of IE802.3af/at, and supply power through the network line as the priority mechanism.

#### Excellent port performance

Provides four 10/100/1000Mbps RJ45 adaptive high-speed forwarding data without packet loss RJ45 ports

Two 1000Mbps SFP optical fiber upstream ports are provided.

Each port supports MDI/MDIX automatic flip and self-negotiation, and supports full-duplex and backpress half-duplex flow control of IEEE 802.3x.

#### Excellent PoE Power Supply Performance

Four 10/100/1000 Mbps RJ45 ports support POE + power supply to meet the needs of security monitoring, teleconference system, wireless coverage and other scenarios POE power supply.

It meets the standard of IE802.3af/at PoE power supply. The output power of the whole PoE is 65W, and the maximum output power of the single port PoE is 15.4W/25.5W

Automatic identification of PoE equipment for power supply, without damage to non-PoE equipment.

PoE ports support priority mechanism. When residual power is insufficient, priority should be given to the supply of high priority ports to avoid overload of equipment.

### Three working modes

Standard switching mode - free communication of all ports, suitable for ordinary data transmission environment;

Video surveillance mode - designed specifically for surveillance application scenarios to improve the Karton and Mosaic phenomena in surveillance networks.

VLAN isolation mode - restrain network storm and improve network performance.

### The equipment is stable and reliable

Low power mute design of the main engine ensures the stable operation of the product. With self-developed power supply and high redundancy design, it can provide long-term stable 65W PoE power output.

The equipment meets the national CCC standard, fully meets the safety requirements, and is safe and reliable to use.

### Simple operation and strong expansibility

Easy to use, no need to configure, plug and play, strong compatibility, no burning equipment

High-speed transmission, no data loss, flexible expansion, so that the network is not limited by power line layout, saving user costs

Network environment to meet demand for high-density PoE power supply

Suitable for financial institutions, government agencies, hotels, shopping malls, campuses, hospitals and small and medium-sized enterprises to establish an economic and efficient network.

### Product parameters

Network standard	IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3z 1000BASE-X Gigabit Ethernet (optical) IEEE 802.3af Power over Ethernet devices over an Ethernet cable or device IEEE 802.3at realizes high power supply of Ethernet equipment through Ethernet data line or equipment IEEE 802.3x flow control
Port	4*10/100/1000Mbps RJ45 port 2*1000Mbps SFP uplink fiber ports
POE power supply	4*10/100/1000Mbps RJ45 port support PoE+power supply The maximum power supply of the whole machine is 120W. Maximum power supply for single port is 15.4W/25.5W
POE link	1-4 □ support IEEE802.3af/at Support 1/2+, 3/6- Terminal spanning transmission distance 100-120M



Indicator light	Each port has a LINK/ACT.1000Mbps POE Status Indicator Lamp
performance	Store and forward MAC Address Table Depth Supporting 2K 4Gbps backplane bandwidth
Forwarding rate	10Mbps:14880pps 100Mbps:14880pps 1000BASE-T: 1488095pps/port
network medium	10Base-T: 2 to 3 (Cat3) or above UTP/STP ( $\leq 100m$ ) 100Base-TX: 2 pairs of Category 5 (Cat5) or above UTP/STP ( $\leq 100m$ ) 1000Base-T: 4 pairs of Category 5e (Cat5e) or above UTP/STP ( $\leq 100m$ ) 1000Base-SX: 62.5 $\mu m$ /50 $\mu m$ MMF (2m~550m) 1000Base-LX: 62.5 $\mu m$ /50 $\mu m$ MMF (2m~550m) or 10 $\mu m$ SMF (2m~5000m)
Port function	Power Supply Priority Mechanism, Fast and Forwarding, MAC Automatic Learning and Aging IEEE802.3X Full Duplex Flow Control and Backpress Half Duplex Flow Control
Use environment	working temperature: -10 $^{\circ}C$ --55 $^{\circ}C$
Power Supply and Power	external power supply 220V, 50HZ $\leq 120W$
weight	0.8KG