

CS-POE33108PF 10-port Gigabit PoE Fiber Switch

Sharp Series



OVERVIEW

The CS-POE33108PF is a gigabit unmanaged PoE fiber switch developed by CASE. It provides 8 x 10/100/1000M adaptive RJ45 ports and 2 x 1000M uplink SFP fiber ports. Ports 1–8 support the IEEE 802.3af/at PoE standards, with each port delivering up to 30W.

As a PoE power supply device, it can automatically detect and identify compliant powered devices, supplying power directly through the Ethernet cable. It supports PoE terminal equipment such as wireless APs, IP cameras, VoIP phones, and intelligent video intercoms, meeting the needs of high-density PoE environments.

This switch is well-suited for applications in hotels, campuses, factory dormitories, and small to medium-sized enterprises. As an unmanaged model, it is fully plug-and-play, requiring no configuration and offering simple, reliable operation.



FEATURE

■ Gigabit access, uplink SFP fiber port

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
- ◇ Support gigabit RJ45 port and gigabit SFP fiber port combination, which enables users to flexibly build networking to meet the needs of various scenarios.

■ Smart PoE power supply

- ◇ Comply with IEEE 802.3 af/at PoE standard, automatically identify PoE devices for power supply, and not damage non-PoE devices.
- ◇ 8*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- ◇ Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.

■ Stable and reliable

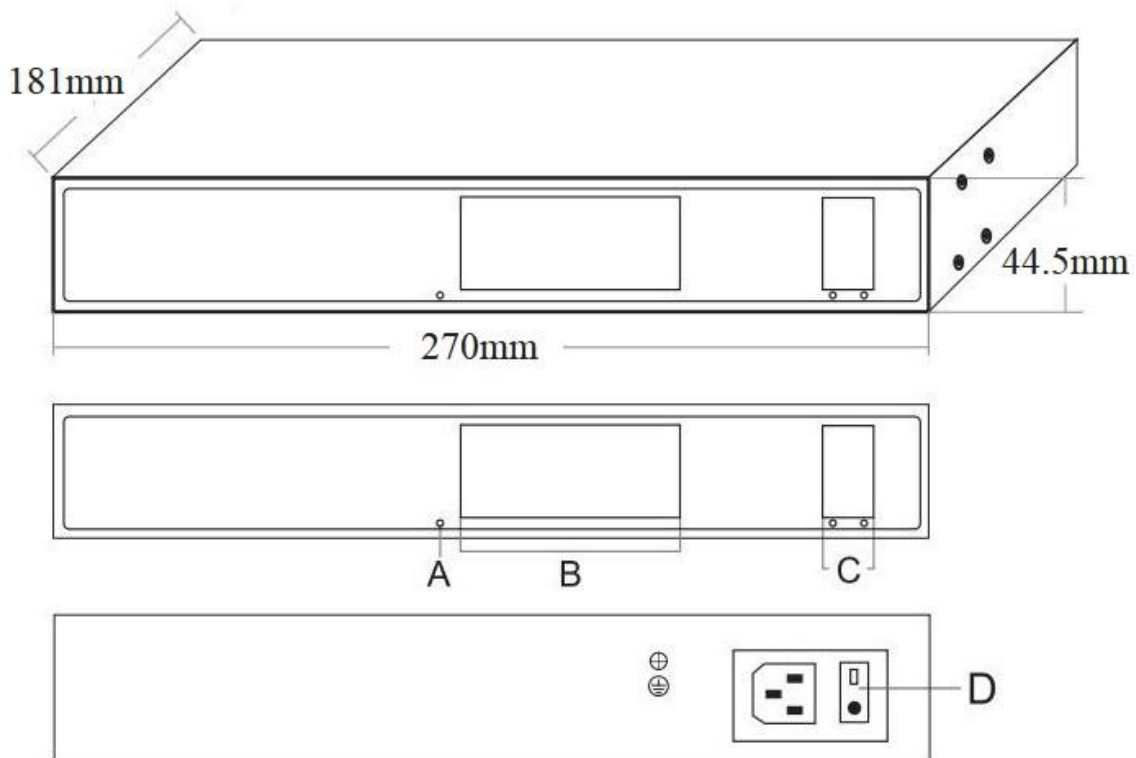
- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR,Link,and PoE.
- ◇ Low power consumption, with fan, galvanized steel metal shell, and excellent heat dissipation to ensure the stable operation of the switch.

TECHNICAL SPECIFICATION

| Model | ONV-POE33108PF | ONV-POE33108PF-at |
|----------------------------------|---|-------------------|
| Interface Characteristics | | |
| Fixed Port | 2*1000Base-X uplink SFP fiber ports (Data) 8*10/100/1000Base-T PoE ports (Data /Power) | |
| Ethernet Port | Port 1-8 can support 10/100/1000Base-T auto-sensing, full/ half duplex MDI/ MDI-X self-adaption | |
| Twisted Pair Transmission | 10BASE-T: Cat3,4,5 UTP (≤100 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters) 1000BASE-T: Cat5e or later UTP (≤100 meters) | |
| Optical Fiber Port | Gigabit optical fiber interface, default no include optical module (optional single-mode/ multi-mode, single fiber/ dual fiber optical module. LC) | |
| Optical Cable/ Distance | Multi-mode: 850nm /0-550m, Single-mode: 1310nm /0-40km, 1550nm /0-120km | |
| Chip Parameter | | |
| Network Protocol | IEEE 802.3 10BASE-T, IEEE 802.3i 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-X, IEEE 802.3x | |
| Forwarding Mode | Store and Forward (Full Wire Speed) | |
| Switching Capacity | 20Gbps (non-blocking) | |
| Forwarding Rate@64byte | 14.88Mpps | |
| MAC | 8K | |
| Buffer Memory | 4M | |
| Jumbo Frame | 9.6K | |
| LED Indicator | Power: PWR (Green), Network: Link (Yellow), PoE: PoE (Green), Fiber port: L/A (Green) | |

| | | |
|-------------------------------------|---|---------------|
| Humidity | | |
| Dimension (L*W*H) | 270*181*44.5mm | |
| Net /Gross Weight | 1.3kg / 1.8kg | 1.5kg / 2.0kg |
| Installation | Desktop, wall mount, 1U/19" cabinet | |
| Certification & Warranty | | |
| Lightning Protection | Lightning protection: 4KV 8/20us, Protection level: IP30 | |
| Certification | CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS | |
| Warranty | 6 years | |

DIMENSION



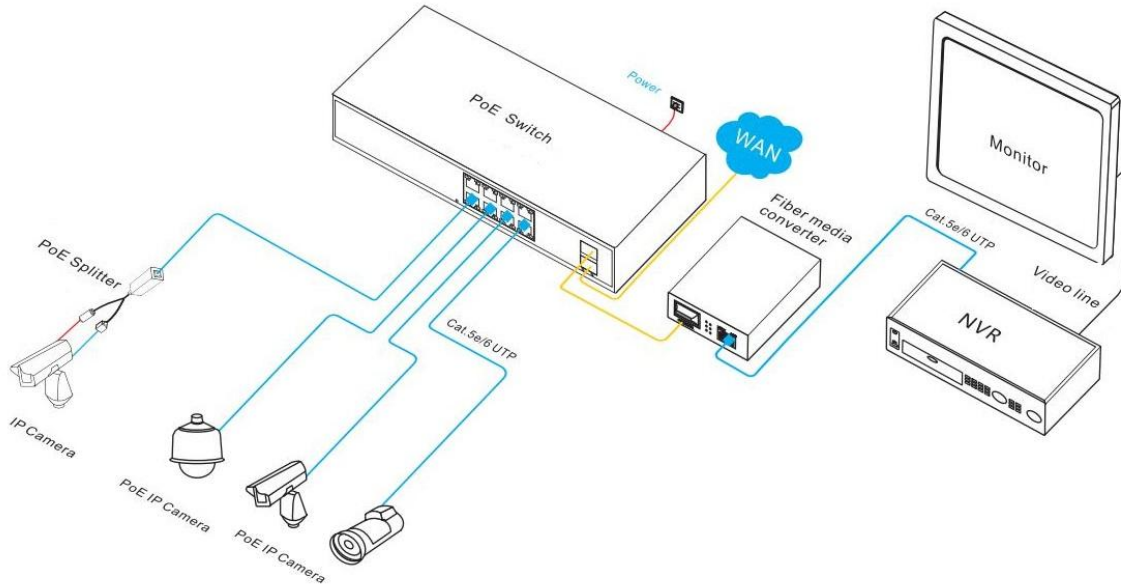
A. Working indicator

B. 8*10/100/1000M PoE ports

C. 2*1000M uplink SFP fiber ports

D. Power input port AC100-240V, 50/60Hz

APPLICATION



ORDERING INFORMATION

| Model | Description | Built-in Power Supply |
|-------------------|--|-----------------------|
| ONV-POE33108PF | Unmanaged PoE fiber switch with 8*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber ports. Port 1-8 can support IEEE 802.3 af/at PoE standard. It | 130W |
| ONV-POE33108PF-at | built-in power supply and 1U/19" cabinet installation. | 250W |

Note: The optical module is not included and needs to be purchased.

PACKING LIST

| | Content | Qty | Unit |
|--------------|---|-----|------|
| Packing List | 10-port gigabit PoE fiber switch | 1 | SET |
| | AC power cable | 1 | PC |
| | Mounting Kits (Hanging Ear) | 1 | SET |
| | User Guide | 1 | PC |
| | Warranty Card and Certificate of Conformity | 1 | PC |

OPTICAL MODULE

| Product | Model | Description | Unit |
|----------------------------|-----------|---|------|
| 1.25G Optical Module | 2630 | SFP optical module, 1.25G multi-mode dual fiber 850nm, transmission distance: 550m, LC interface. support DDM function and hot plugging. | PC |
| | 2632 | SFP optical module, 1.25G single-mode dual fiber 1310nm, transmission distance: 20km, LC interface. support DDM function and hot plugging. | PC |
| | 2612-T | SFP optical module, 1.25G single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface. support DDM function and hot plugging. | PC |
| | 2613-R | SFP optical module, 1.25G single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface. support DDM function and hot plugging. | PC |
| | 2612-T-SC | SFP optical module, 1.25G single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, SC interface. support DDM function and hot plugging. | PC |
| | 2613-R-SC | SFP optical module, 1.25G single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, SC interface. support DDM function and hot plugging. | PC |

| | | | |
|--------|------|---|----|
| Power | 2633 | 1.25G SFP optical module transfers to 10/100/1000M RJ45 port. | PC |
| Module | | | |

OPTICAL MODULE

| Model | Description |
|---------------|--|
| CS-POE33128PF | Unmanaged PoE fiber switch with 10*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber ports. Port 1-8 can support IEEE 802.3 af/at PoE standard. It built-in 130W power supply and 1U/19" cabinet installation. |
| CS-POE33016PF | Unmanaged PoE fiber switch with 16*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber ports. Port 1-16 can support IEEE 802.3 af/at PoE standard. It built-in 250W power supply and 1U/19" cabinet installation. |
| CS-POE33020PF | Unmanaged PoE fiber switch with 18*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber ports. Port 1-16 can support IEEE 802.3 af/at PoE standard. It built-in 250W power supply and 1U/19" cabinet installation. |
| CS-POE33024PF | Unmanaged PoE fiber switch with 24*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber ports. Port 1-24 can support IEEE 802.3 af/at PoE standard. It built-in 400W power supply and 1U/19" cabinet installation. |
| CS-POE33028PF | Unmanaged PoE fiber switch with 26*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber ports. Port 1-24 can support IEEE 802.3 af/at PoE standard. It built-in 400W power supply and 1U/19" cabinet installation. |

