

Product Datasheet

5-port Full Gigabit Industrial PoE Fiber Switch

ONV-IPS33054PF



OVERVIEW

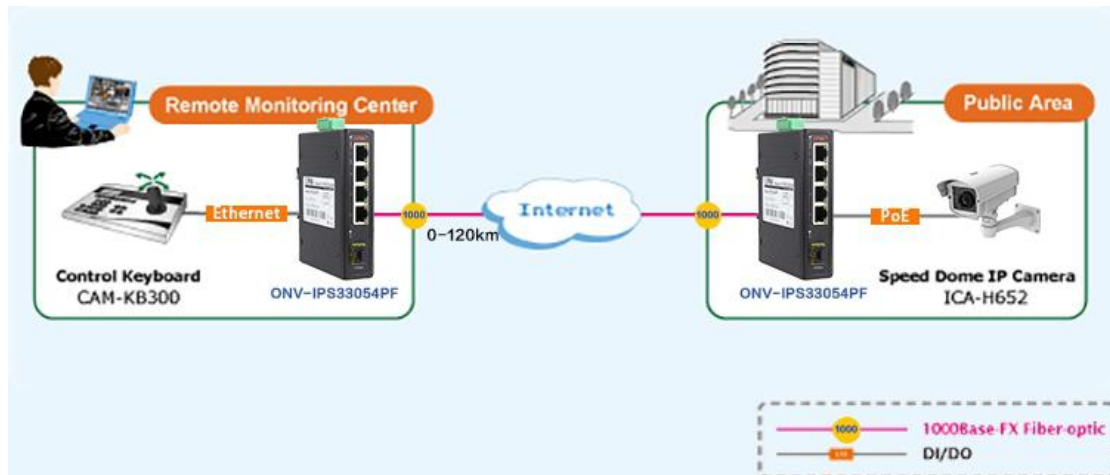
ONV-IPS33054PF series is a full gigabit industrial POE switch independent development by ONV. It has 4*10/100/1000M RJ45 ports and 1*1000M SFP port, Port 1-4 can support IEEE 802.3af/at standard PoE power supply. the maximum PoE output power is less than 60W(at-120W). As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to POE terminal equipment such as wireless AP, web camera, VoIP phone, industrial sensor through network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for intelligent transportation, rail transit, electric power, mining, metallurgy and green energy. Industrial scenes such as construction set up a cost-effective and stable communication network.

Unmanaged mode, plug and play, no configuration, easy to use.

FEATURE

■ Gigabit access, uplink SFP fiber port

- ◇ All series support “Gigabit Ethernet port and Gigabit SFP port” combination, which enables users to flexibly build networking to meet the needs of various scenarios.
- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.

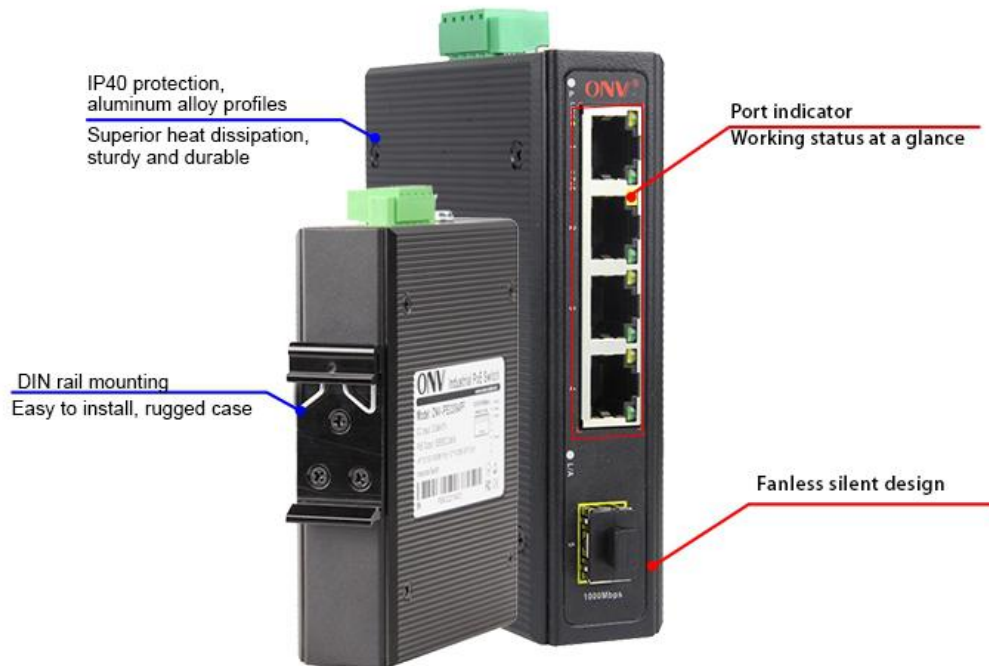


■ Intelligent PoE power supply

- ◇ 4*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- ◇ IEEE 802.3af/at PoE standard, without damaging non-PoE devices.
- ◇ 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

- ◇ Low power consumption, No fan, aluminum shell.
- ◇ CCC, CE, FCC, RoHS.
- ◇ The user-friendly panel, it can show the device status through the LED indicator of PWR, Link, PoE.



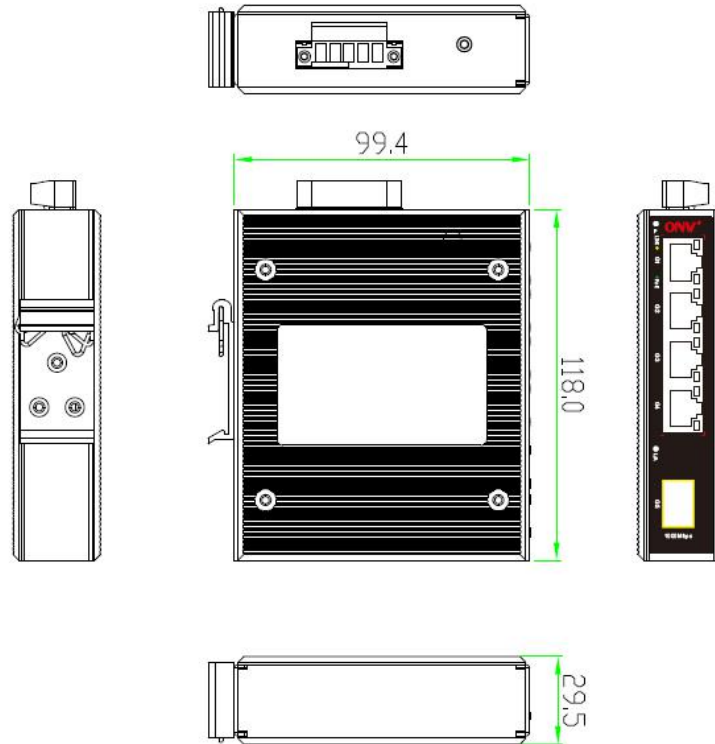
TECHNICAL SPECIFICATION

| Model | ONV-IPS33054PF | ONV-IPS33054PF-at |
|------------------|--|-------------------|
| Interface | 4*10/100/1000Base-T PoE ports (Data/Power) 1*1000Base-X uplink SFP fiber slot port (Data) 2 set of V+, V- redundant DC power interface (5Pin Phoenix terminal) | |
| POE Port | Port 1-4 | |
| Network Protocol | IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x | |
| PoE Standard | IEEE802.3af/at | |
| Ethernet Port | Port 1-4 support 10/100/1000Base-T, auto-sensing, Full/half duplex | |
| Feature | MDI/MDI-X self-adaption | |
| SFP Port | Gigabit SFP optical fiber interface, default matching optical modules | |

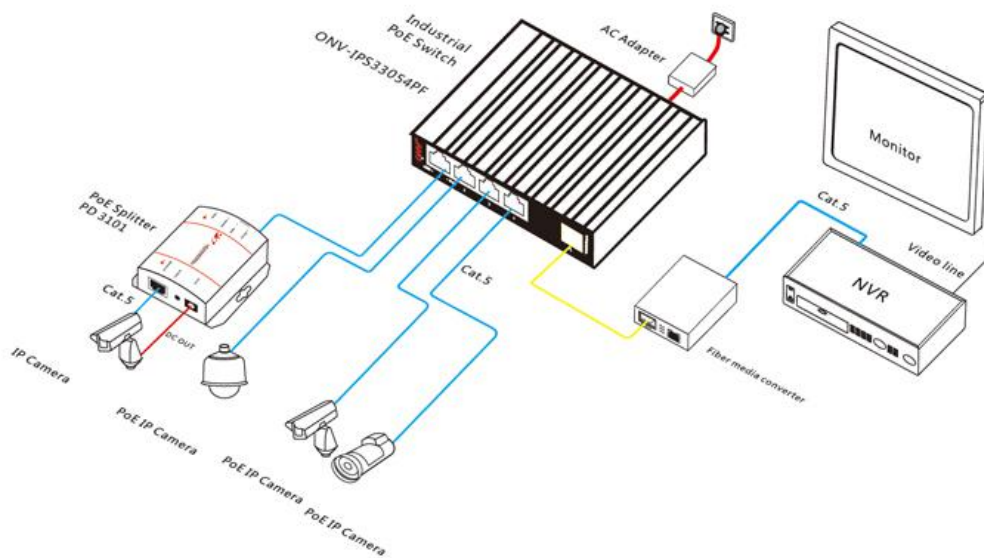
| | | |
|---------------------------|---|------------------------------|
| | (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC) | |
| Forwarding Mode | Store and Forward(Full Wire Speed) | |
| Switching Capacity | 12Gbps | |
| Forwarding Rate@64byte | 7.44Mpps | |
| MAC | 2K | |
| Buffer Memory | 2M | |
| Jumbo Frames | 9.2K | |
| Twisted Pair Transmission | 10BASE-T:Cat3,4,5 UTP(≤100 meter) 100BASE-TX:Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter) | |
| Optical Fiber Cable | Multi mode: 850nm 0~550M; single mode: 1310nm 0~40KM,1550nm 0-120KM. | |
| Power Supply Pin | Default:1/2 (+), 3/6 (-) optional: 4/5(+),7/8(-) | |
| Working Voltage | 48-57VDC; 5P industrial phoenix terminal, anti-reverse protection. | |
| Max Power Per Port | 30W; IEEE802.3af/at | |
| Total PWR / Input Voltage | 60W/48VDC | 120W/48VDC |
| Power Consumption | Standby:<5W; Full load:<60W | Standby:<6W; Full load:<120W |
| LED Indicator | Power: PWR (green), Network: Link ,Link/Act (yellow),PoE: PoE (green) | |
| Power Supply | No, optional 48V/60W or 48V/120W industrial power supply | |
| Operation TEMP / Humidity | -40~+80°C;5%~90% RH Non condensing | |
| Storage TEMP / | -40~+85°C;5%~95% RH Non condensing | |

| | |
|---|---|
| Humidity | |
| Dimension (L*W*H) | 119*100*30mm |
| Net /Gross Weight | <0.7kg/<1.0kg |
| Installation | Desktop, 35mm DIN rail |
| Lightning protection / protection level | <p>Lightning protection: 6KV 8/20us; Protection level: IP40</p> <p>IEC61000-4-2(ESD):±8kV contact discharge,±15kV air discharge</p> <p>IEC61000-4-3(RS):10V/m(80~1000MHz)</p> <p>IEC61000-4-4(EFT): power cable:±4kV; data cable:±2kV</p> <p>IEC61000-4-5(Surge):power cable:CM±4kV/DM±2kV; data cable:±4kV</p> <p>IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz)</p> <p>IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m , 1s to 3s</p> <p>IEC61000-4-9(pulsed magnet field):1000A/m</p> <p>IEC61000-4-10(damped oscillation):30A/m 1MHz</p> <p>IEC61000-4-12/18(shockwave):CM 2.5kV,DM 1kV</p> <p>IEC61000-4-16(common-mode transmission):30V; 300V,1s</p> <p>FCC Part 15/CISPR22(EN55022):Class A</p> <p>IEC61000-6-2(Common Industrial Standard)</p> |
| Mechanical Properties | IEC60068-2-6 (anti vibration),IEC60068-2-27 (anti shock),IEC60068-2-32 (free fall) |
| Certification | CCC;CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B;RoHS; |
| Warranty | 5 years , lifelong maintenance. |

DIMENSION



APPLICATION



ORDERING INFORMATION

| Model | Description | Recommended Power Supply |
|-------------------|---|--------------------------|
| ONV-IPS33054PF | Unmanaged industrial PoE fiber switch with 4*10/100/1000M RJ45 ports and 1*1000M uplink SFP slot port, Port 1-4 can support IEEE802.3af/at PoE. | <60W |
| ONV-IPS33054PF-at | Support DC dual power supply input and DIN rail mounting. | <120W |

Note: Industrial PoE switch does not match the SFP optical module and power supply.

PACKING LIST

| | CONTENT | QTY | UNIT |
|--------------|---|-----|------|
| PACKING LIST | 5-port full gigabit industrial PoE fiber switch | 1 | SET |
| | User Guide | 1 | PC |
| | Warranty Card | 1 | PC |

OPTICAL MODULE INFORMATION

| Product | Model | Description | Unit |
|----------------------|----------|---|------|
| 1.25G Optical Module | ONV-2630 | SFP optical module, 1.25G, multi mode dual fiber 850nm, transmission distance: 550m, LC interface, support DDM function, support hot plug and pull. | PC |
| | ONV-2632 | SFP optical module, 1.25G, single-mode dual fiber | PC |

| | | | |
|-----------------|-------------------|---|----|
| | | 1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull. | |
| | ONV-2612-T | SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull. | PC |
| | ONV-2613-R | SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull. | PC |
| | 2612-T-G | Industrial SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull. | PC |
| | 2613-R-G | Industrial SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull. | PC |
| | ONV-2612-T-S C | SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull. | PC |
| | ONV-2613-R-S C | SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull. | PC |
| Power Module | ONV-2633 | 1.25G SFP optical module transfers to 10/100/1000M RJ45 port. | PC |

Power Supply Selection Table

| Product | Model | Description | Unit |
|---------------------------------------|--------------|---|------|
| 65W Desktop Power Adaptor | GWS-AP65-52 | Desktop tape65W single set of output power adapter; Input Voltage:AC 100V~240V 50-60H,1A Output Voltage:DC 52V 1.25A Operation Temperature:-20℃—+65℃ | PC |
| 110W Desktop Power Adaptor | GWS-AP110-52 | Desktop tape110W single set of output power adapter; Input Voltage:AC 100V~240V 50-60H,1.5A Output Voltage:DC 52V 2.15A Operation Temperature:-20℃—+65℃ | PC |
| 60W DIN Rail Industrial Power Supply | GWS-DP60-48 | Din Rail type 60W single set of output power adapter; Input Voltage:AC 100V~240V 50-60H,0.65A Output Voltage:DC48V 1.25A Operation Temperature:-40℃—+70℃ | PC |
| 120W DIN Rail Industrial Power Supply | GWS-DP120-48 | Din Rail type 120W single set of output power adapter; Input Voltage:AC 100V~240V 50-60H,1.5A Output Voltage:DC48V 2.5A Operation Temperature:-40℃—+70℃ | PC |

CONTACT US



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