



PFN-984IF

- * Rigid Aluminum Case
- * Broadcast Storm Control
- * -10 to 70 °C Operating Temperature
- * DIN-Rail Kit
- * Compliant 802.3at POE⁺

Industrial 8-port Redundant Fast Ethernet Switch with 4-port 802.3at POE

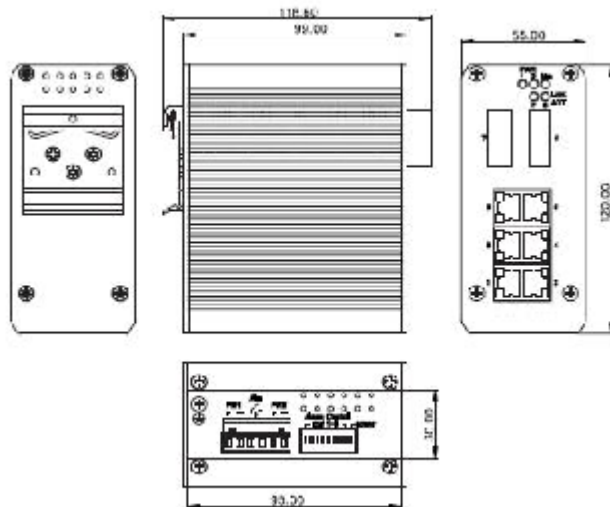
Introduction

PFN-984IF is 6-port Copper + 2-port Fiber Industrial Fast Ethernet Switch with 4-port 802.3at POE⁺ that is designed for a demanding network environment, Ethernet connection and the built-in smart alarm function. This product has a wide operating temperature and a high degree of vibration and shock. It provides IP31 aluminum case, DIN-rail kit and redundant power inputs.

Redundant Power Inputs

PFN-984IF provides two power inputs that can be connected simultaneously to live DC power source. If one of the power input fails, the other live source acts as a backup to automatically support the PFN984IF's power needs.

Dimensions (unit=mm)



Features

- Network Switching Technology
- * 6 10/100BaseT(X) + 2 100BaseFX ports
- * Support IEEE 802.3 / 802.3u / 802.3x
- * 10/100M, Full/Half-Duplex, MDI/MDI-X auto-sensing
- * Non-blocking switching performance
- Industrial Reliability
- * Power failure, port break alarm by relay output
- * Redundant DC power inputs
- POE Design
- * IEEE 802.3at Power over Ethernet (POE⁺) for 4 port 10/100BASE-TX ports
- * Supports POE Powered Source Equipment (PSE)
- Rigid Design
- * Operating temperature from -10 to 70°C
- * Storage temperature from -20 to 80°C
- * IP 31, rigid metal case
- * DIN-Rail / Wall-mounting / Desktop Installation

Specifications

| | |
|------------------------------------|---|
| Standards | IEEE802.3, 802.3u, 802.3x, 802.3at |
| Packet Buffer Memory | 768Kb |
| Processing Type | Store and Forward |
| MAC Address | 2K |
| Flow Control | IEEE802.3x flow control, back pressure flow control |
| Filtering/Forwarding Rates | 100Mbps port - 148,800pps 10Mbps port - 14,880pps |
| Transmission Media | 10BaseT Cat. 3, 4, 5 UTP/STP 100BaseTX Cat. 5 UTP/STP |
| 10/100 RJ45 /Fiber Ports | 6 10/100BaseT(X) auto-negotiation speed, F/H-Duplex mode, and auto-MDI/MDI-X connection 2 100BaseFX (Multi/Single Mode, SC/ST Connector) |
| LED Indicators | Power, Faults, 10/100M, Link/Act, and POE |
| DIP Switch | Port break alarm |
| Alarm Contact | One relay output with current carrying capacity of 1A @ 24 VDC |
| Input Voltage | 48 VDC, redundant inputs |
| PoE Output | IEEE802.3at (IEEE802.3af compatible); up to 30W per port, max. 120W per system |
| Connection | Removable 6-pin Terminal Block |
| Power Consumption | Max. 130 Watts |
| Reverse Polarity Protection | Present |
| Casing | IP31 protection, Aluminum Case |
| Dimensions | 55 x 120 x 118 mm (W x H x D) |
| Weight | 0.565 kg |
| Installation | DIN-Rail, Wall-mounting, Desktop |
| Operating Temperature | -10 to 70°C |
| Storage Temperature | -30 to 80°C |
| Humidity | 0 to 95% RH (non-condensing) |
| EMI | EN55022 Class A, FCC Part 15 Class A |
| EMS | EN61000-4-2 (ESD) EN61000-4-3 (RS) EN61000-4-4 (EFT) EN61000-4-5 (Surge) EN61000-4-6 (CS) |
| Shock | IEC60068-2-27 |
| Free Fall | IEC60068-2-32 |
| Vibration | IEC60068-2-6 |