



PFN-984

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

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

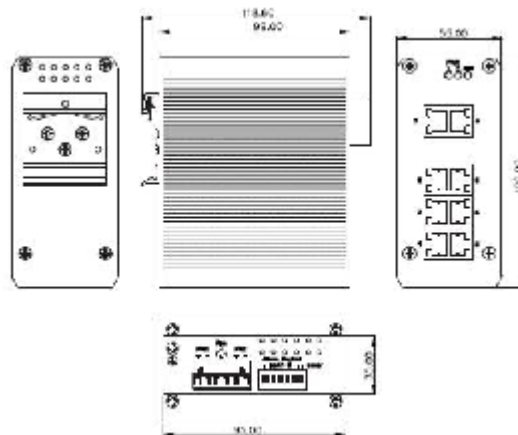
Introduction

PFN-984 is 8-port 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-984 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 PFN-984's power needs.

Dimensions (unit=mm)



Features

- ◎ Network Switching Technology
 - * 8 10/100BaseT(X) (RJ45) ports
 - * Support IEEE 802.3 / 802.3u / 802.3x
 - * 10/100M, Full/Half-Duplex, MDI/MDI-X auto-sensing
 - * Built-in link lose forwarding technology
 - * 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
RJ45 Ports	8 10/100BaseT(X) auto-negotiation speed, F/H-Duplex mode, and auto-MDI/MDI-X connection
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
Connection	Removable 9-pin Terminal Block
Power Consumption	6 Watts
Reverse Polarity Protection	Present
Casing	IP31 protection, metal case
Dimensions	55 x 120 x 108 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)
Safety	UL, CUL, CE, EN60950
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), Level 3, EN61000-4-6 (CS), Level 3
Shock	IEC60068-2-27
Free Fall	IEC60068-2-32
Vibration	IEC60068-2-6