

Product Overview

Xentino **TI940** is an Industrial **6-port Gigabit PoE** Switch, the switch equips with **4-port 10/100/1000M RJ45 PoE+** and **2-port Gigabit SFP** open slot. The 4 PoE+ ports are IEEE 802.3at compliant which supports up to 30W per port.

The switch has **dual redundant power** input and the built-in smart alarm function when power failure or port break. The switch has a wide operating temperature, **IP30** aluminum case, DIN-rail and wall-mounting installation kit.

Key Features

- Power failure, port break alarm by relay output
- Redundant DC power inputs
- Operating temperature from -40 to 75°C
- DIN-Rail/Wall-mounting Installation
- Rugged Design with 6KV surge protection
- Support Storm Control
- Support IEEE 802.3az
- Support 9K Jumbo Frame



Redundant Power Inputs

TI940 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 **TI940**'s power needs.

Auto-Negotiation

Every port can automatically sense if the connected network devices are running at 10Mbps, 100M, 1000Mbps and Half/Full-Duplex mode, and adjust accordingly.

Auto-MDI/MDI-X

Every port can automatically sense your type of cable, so there is no need for crossover cables whether you are connecting this switch to another switch or to a computer.

Rugged Design

TI940 is designed for harsh environmental conditions. With its rigid aluminum enclosure and 6KV surge protection design, which not only protect the surge from the DC in port, but also the RJ-45 ports. By using **TI940**, it will make your network more reliable regardless of the bad weather outside.

Storm Control

A broadcast storm control mechanism prevents the packets from flooding into other parts of the network. **TI940** has an intelligent switch engine to prevent Head-of-Line blocking problems on per-CoS basis for each port.

Energy Efficient Ethernet

Ethernet is the most ubiquitous networking interface in the world; virtually all network traffic passes over multiple Ethernet links. However, the majority of Ethernet links spend much of the time idle, waiting between packets of data, but consuming power at a near constant level. Energy Efficient Ethernet (EEE) provides a mechanism and a standard for reducing this energy usage without reducing the vital function that these network interfaces perform.

Product Specifications (Hardware)

| Interface | |
|--|---|
| 10/100/1000M RJ45 Ports | 4 |
| 1000BaseSX/LX Port | 2 |
| System Performance | |
| Packet Buffer | 128KB |
| MAC Address Table Size | 2K |
| Switching Capacity | 12Gbps |
| Forwarding Rate | 8.93Mpps |
| PoE Features | |
| IEEE 802.3 af/at | IEEE 802.3 af/at |
| Number of PSE Ports | 4 |
| PoE Budget | 30W per port, 120W per unit |
| Max System Power Consumption | 7W |
| Power Feeding Detecting Capability on PD | • |
| PD Classification | • |
| L2 Features | |
| Auto-negotiation | • |
| Auto MDI/MDIX | • |
| Flow Control (duplex) | 802.3x (Full) Back-Pressure (Half) |
| Jumbo Frame | 9K |
| Mechanical | |
| Input Voltage | 44~57 VDC, redundant inputs |
| Power Input | 1 Removable 6-pin Terminal Block |
| Dimension (H*W*D) | 120 x 55 x 108 mm |
| Weight | 0.62KG |
| LED | PW1, PW2, ALARM, PoE Status and Link/Act, SFP5 & SFP6 |
| DIP Switch | Switch 1~6: Port 1~6 disconnect alarm Switch 7: Power input alarm |
| Operating Temperature | -40 to 75°C |
| Storage Temperature | -40 ~ 85°C |
| Operating Humidity | 5~95% (non-condensing) |
| Industrial Standard | |
| Alarm Contact | 1 relay output with current carrying capacity of 1A @ 24 VDC |
| Reverse Polarity Protection | • |
| Casing | IP30, Aluminum Alloy case |
| EMI | EN55032 Class A, IEC61000-3-2, IEC 61000-3-3, FCC Part 15 Class A |
| EMS | IEC61000-4-2 (ESD) Lv.4 IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge)Lv.5: Line to Line 4KV, Line to Ground 6KV at DC-In Line to Ground 6KV at RJ-45 ports, IEC61000-4-6 (CS) IEC61000-4-8 IEC61000-4-11 |
| Shock | IEC60068-2-27 |
| Free Fall | IEC60068-2-32 |
| Vibration | IEC60068-2-6 |
| Installation | DIN-Rail mounting or Wall mount (Optional) |
| Standard | |
| IEEE 802.3 – 10BaseT | • |
| IEEE 802.3u - 100BaseTX | • |
| IEEE 802.3ab - 1000BaseT | • |
| IEEE 802.3z 1000BaseSX/LX | • |
| IEEE 802.3af Power over Ethernet (PoE) | • |
| IEEE 802.3at Power over Ethernet (PoE+) | • |
| IEEE 802.3az - Energy Efficient Ethernet (EEE) | • |
| IEEE 802.3x - Flow Control | • |