28-port Gigabit Managed Industrial PoE Switch

(TN3M28PGIPOESW)

OVERVIEW

The TN3M28PGIPOESW is a Gigabit managed industrial PoE fiber switch. It has 24*10/100/1000Base-T adaptive RJ45 ports and 4*100/1000Base-X uplink SFP fiber ports. Port 1-24 can support IEEE 802.3 af/at PoE standard and the single-port PoE power reaches 30W. 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, IP cameras, VoIP phones, and industrial sensors through a network cable, and meet the network environment that needs a high-density PoE power supply. It is suitable for intelligent transportation, rail transit, electric power, mining, metallurgy, and green energy, industrial scenes suchconstruction setting up a cost-effective and stable communication network.

The TN3M28PGIPOESW L2+ network management functions. It can support IPV4 management and static routing forwarding, complete security protection mechanisms, complete ACL/ QoS policies, and rich VLAN functions, making it easy to manage and maintain. Supports multiple network redundancy protocols RSTP (<50ms) to improve link backup and

network reliability. When a one-way network fails, communication can be quickly restored to ensure uninterrupted communication of important transmissions. According to application needs, PoE power supply management, port flow control, VLAN division, QoS, and other application service configurations can be performed through network management methods such as Web, CLI, SNMP, and Telnet.

FEATURE

Gigabit access

- Support non-blocking wire-speed forwarding.
- Support full-duplex based on IEEE 802.3x and half-duplex based on Backpressure.
- Support Gigabit RJ45 port and 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 power supply standard, automatically identify PoE equipment for power supply.
- Support PoE network management function, port power status viewing, etc. through network management configuration.
- 24*10/100/1000Base-T RJ45 ports support PoE power, meeting the PoE power requirements of security monitoring, industrial automation systems, wireless coverage, and other scenarios.

Strong business processing capability

- Support IEEE 802.1Q VLAN..
- Ring network RSTP spanning tree protocol eliminates layer 2 loops and realizes link backup.
- Support IGMP Snooping V1/V2 to meet the needs of multi-terminal high-definition video surveillance and video conferencing access.
- Support QoS, three priority modes based on port, 802.1P-based and DSCP-based, and four queue scheduling algorithms: SP, WRR, and WFQ.
- Static aggregation and dynamic aggregation effectively increase link bandwidth, achieve load balancing, and link backup, and improve link reliability.
- Support ACL to filter data packets by configuring matching rules, processing operations, and time permissions to provide flexible security access control strategies.

Security

- Port isolation and storm control.
- 802.1X authentication provides authentication functions for LAN computers and controls the authorization status of controlled ports according to the authentication results..

Stable and reliable

- CCC, CE, FCC, RoHS.
- The user-friendly panel can show the device status through the LED indicator of PWR, Link, and PoE.
- Using self-developed power supply, redundant dual power supply provides long-term stable PoE power output.
- Low power consumption, with fan, galvanized steel housing, and excellent heat dissipation to ensure stable operation of the switch.

Easy O&M management

- CPU monitoring, memory monitoring, and Ping detection.
- System logs and port traffic statistics facilitate network optimization and transformation.
- LLDP facilitates the network management system to query and determine the communication status of the link.
- Web network management, CLI (Console, Telnet), SNMP (V1/V2/V3), Telnet, and other diversified management and maintenance methods.