28-port Full Gigabit Managed PoE Switch

(TN3M28PGPOESW)

OVERVIEW

The TN3M28PGPOESW is a full gigabit L2+ managed PoE fiber switch. It has 24*10/100/1000Base-T RJ45 ports and 4*100/1000Base-X SFP fiber slot ports. Port 1-24 can support IEEE 802.3af/at standard PoE power supply. single port PoE power reaches 30W, and the maximum PoE output power is 400W(at-600W). 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, webcam, VoIP phone, building visual access control intercom through network cable, to meet the network environment that needs high-density PoE power supply, suitable for hotels, campuses, parks, supermarkets, scenic spots, Factory quarters and SMB small and medium-sized enterprises form a cost-effective network.

The TN3M28PGPOESW has L2+ full network management, support IPV4 management, static route full line rate forwarding, security protection mechanism, complete ACL/QoS policy and rich VLAN functions, and is easy to manage and maintain. Supports multiple network redundancy protocols STP/RSTP/MSTP (<50ms) to improve link backup and network reliability. When one-way network fails, communication can be quickly restored to ensure important Uninterrupted communication for applications. According to the actual application requirements, you can configure multiple application services such as PoE power management, port traffic control, VLAN division, and SNMP through the Web network management mode.

FEATURE

Gigabit access, Gigabit SFP fiber port uplink

- 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

- 24*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- IEEE802.3af/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.
  PoE network management, realize PoE port power allocation, priority setting, port power status

Security

- 802.1X authentication.
- Port isolation,Storm control.
- IP-MAC-VLAN-Port binding.

Strong business processing capability

- IEEE802.1Q VLAN, flexible VLAN division.
- QoS, Priority mode based on 802.1P, Port & DSCP, queue scheduling algorithm including Equ, SP, WRR & SP+WRR.
  ALC, filter data packet through configuring matching rules, processing operation & time
- permission, and provide flexible and safe access control.
- IGMP V1/V2 and IGMP Snooping.
- STP/RSTP/MSTP.
- Static and dynamic aggregation.

Stable and reliable

- CCC,CE, FCC, RoHS.
- Low power consumption, galvanized steel casing, The fan active cooling.
- Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.
- The user-friendly panel, it can show the device status through the LED indicator of PWR, Link ,PoE.

TECHNICAL SPECIFICATION

Model	TN3M28PGPOESW	TN3M28PGPOESW
Interface Characteristics		
Fixed Port	24*10/100/1000Base-T PoE ports (Data/Power) 4*100/1000Base-X uplink SFP slot ports (Data) 1 * RS232 console port(115200,N,8,1)	
Ethernet Port	10/100/1000Base-T(X), auto-sensing, full/half duplex MDI/MDI-X self-adaption	
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)	
SFP Slot Port	Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)	
Optical Cable/ Distance	Multi mode: 850nm / 0 ~ 500M, single mode: 1310nm/ 0 ~ 40KM, 1550nm /0 ~ 120KM.	
Chip Parameter		
Network Management Type	L2+	
Network Protocol	IEEE802.3 10BASE-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-X IEEE802.3x	
Forwarding Mode	Store and Forward(Full Wire Speed)	
Switching Capacity	192Gbps	
Forwarding Rate@64byte	41.7Mpps	
MAC	8K	