

Pinoten Ethernet Switch PT2250-8P

Layer 2 Managed Switch with 8 Port 10/100/1000M/2.5G PoE



Introduction

PT2250-8P is a Layer 2 full 2.5G managed PoE switch, which features 8-port 10/100/1000/2.5GBase-T RJ45 PoE Ports. It supports powerful Layer 2 management with a high-performance switching architecture and offers wire-speed transportation capability for delivering a cost-effective 2.5 Gigabit Ethernet solution to meet the converged applications for enterprise customer's networks. More and more corporations are adapting new IT technologies over the network such as voice over IP, video conference to improve productivity and save operation expenditure. The PT2250-8P provides comprehensive end to end QoS as well as flexible and rich management, security settings, total power consumption up to 120 watts for different kinds of PoE applications, which provides a quick, safe and cost-effective Power over Ethernet network solution for small businesses and enterprises.

Features

- 8 *10/100/1000BASE-T Gigabit Ethernet RJ45 PoE ports
- Complies with IEEE 802.3at, IEEE802.3af standard. Max output power can reach 30W(PoE+)
- Smart and standard PoE chipset to detect the PD equipment's automatically, never burn the PD equipment
- Port aggregation: Supports GE ports, 2.5GE port aggregation, static and dynamic aggregation
- VLAN: Supports access, trunk, hybrid mode and VLAN classification, including the Mac based VLAN, IP based VLAN and protocol based VLAN
- QinQ: Supports port-based, VLAN-based and flow-based QinQ
- Port Mirroring: Many to one port mirroring
- Layer 2 ring network protocol: Supports STP, RSTP, MSTP, G.8032 ERPS protocol, single ring, sub ring
- Multicast: Supports IGMP V1, V2, V3 and IGMP snooping
- QoS: QoS class, remarking, Supports SP, WRR queue scheduling, Ingress/Egress port-based rate-limit and policy-based QoS
- Security: Support Dot1x, port authentication, MAC authentication, RADIUS service; Support port-security, IP source guard, IP/Port/MAC binding, ARP-check and ARP packet filtering for illegal users and port isolation
- Management: Supports LLDP, user management and login authentication; SNMPV1/V2C/V3; web management, HTTP1.1, HTTPS; Syslog and alarm grading; RMON (Remote Monitoring) alarm, event and history record; NTP, temperature monitoring; Ping, Tracert and optical transceiver DDM function; Supports TFTP Client, Telnet Server, SSH Server and IPv6 management; PoE management
- Firmware update, configure backup/restore through Web GUI, FTP and TFTP

Specification

Part No	PT2250
Fixed ports	8*10/100/1000M/2.5G RJ45 PoE ports
RJ-45 ports	IEEE 802.3 (10BASE-T) IEEE 802.3u (1000Base-TX) IEEE 802.3ab (1000Base-T) IEEE 802.3bz (2.5GBase-T)
PoE	Complies with IEEE 802.3at, IEEE802.3af standard. Max output power per port can reach 30W(PoE+) Support 1/2(+) 3/6(-) Endspan Support Non-standard PD
Switching capacity	20Gbps
Packet forwarding rate	14.88Mpps
MAC address table	16K
Buffer	12M bit
Link Aggregation	Static Trunk IEEE 802.3ad Link Aggregation Control Protocol (LACP)
Port aggregation	Support GE port, 2.5GE aggregation Support static and dynamic aggregation
Port features	Support IEEE802.3x flow control, Port traffic statistics, port isolation Support network storm suppression based on port bandwidth percentage
Lan	802.1Q static Lan
VLAN	Support access, trunk and hybrid mode
VLAN Classification	Mac Based VLAN IP Based VLAN Protocol Based VLAN
QinQ	Basic QinQ (Port-based QinQ) Flexible Q in Q (VLAN-based QinQ) QinQ (Flow-based QinQ)
Port mirroring	Many to one (Port Mirroring)
Layer 2 ring network protocol	Support STP, RSTP, MSTP Support G.8032 ERPS protocol, single ring, sub ring and other ring
DHCP	DHCP Client DHCP Snooping
Multicast	IGMP V1, V2, V3 IGMP snooping
ACL	IP Standard ACL MAC extend ACL IP extend ACL
QoS	QoS Class, Remarking Support SP, WRR queue scheduling Ingress Port-based Rate-limit

	Egress Port-based Rate-limit Policy-based QoS
Security	Support Dot1x, port authentication, MAC authentication, RADIUS service Support port-security Support IP source guard, IP/Port/MAC binding Support ARP-check and ARP packet filtering for illegal users Support port isolation
Management and maintenance	Support LLDP Support user management and login authentication Support SNMPV1/V2C/V3 Support web management, HTTP1.1, HTTPS Support Syslog and alarm grading Support RMON (Remote Monitoring) alarm, event and history record Support NTP Support temperature monitoring Support Ping, Tracert Support optical transceiver DDM function Support TFTP Client Support Telnet Server Support SSH Server Support IPv6 Management Support PoE management Support FTP, TFTP, WEB upgrading
Spanning Tree Protocol	IEEE 802.1D Spanning Tree Protocol (STP) IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) IEEE 802.1s Multiple Rapid Spanning Tree Protocol (MSTP)
Dimension(mm)	222*112*30mm
Power supply	AC Power
Fan	Fan-less, natural cooling
Consumption	Total power consumption ≤ 120W
Ethernet ports surge protection	4KV, IEC 61000-4-5 Level 4 (10/700us)
Temperature	0°C-50°C
Humidity	Working humidity: 10%-90%RH Storage humidity: 5%-95%RH