

TELCO SYSTEMS

XE-308



Efficient Layer 2 Enterprise Switch

The **XE-308** is a high-performance, energy-efficient Ethernet switch with **1000 Mbit/s access and 10 Gbit/s uplink interfaces**. Designed for flexible networking, robust security, and simplified management, it supports IPv4/v6 static routing, intelligent virtualization, and advanced QoS. Ideal for government, enterprise, and campus networks, it ensures scalability, reliability, and efficient operation with optional POE* and stacking support.

Highlights

High-Speed Connectivity	Delivers flexible 1000 Mbit/s access interfaces with high-speed 10G uplinks for seamless data transmission.
Advanced Routing & Virtualization	Supports IPv4/v6 static routing, comprehensive IPv6 features, and intelligent virtualization for efficient network management.
Secure & Reliable Networking	Offers robust security controls, traffic management, and flexible Ethernet networking for stable and protected operations.
Energy-Efficient & Scalable	Designed for high performance with energy efficiency, stacking support, and optional POE* for scalable deployments.

Technical Specifications

Interfaces	8 × 1G Copper & 4 × 10G SFP+ Ports
Switching Capacity	96 Gbps
Management	1 Console interface, 1 SNMP out-of-band interface, and 1 USB interface
Max Power Consumption	15W
Power Supply	Single Embedded AC or DC PS
Enclosure Type	1 RU size (Half Rack Space)
Dimensions (WxDxH)	26 cm x 13 cm x 4.36 cm 10.23" x 5.11" x 1.71"
Weight	1.1kg
Operating Temperature	Operating Temp -10°C ~ +55°C
Energy Saving	Support IEEE802.3az Ethernet EEE energy-saving
MAC Address Table	8,000



Features and Capabilities

Ethernet Services	- 802.1Q / QinQ, VLAN Mapping (1:1/N:1), Jumbo frames (Higher MTU) - Port Security and Mac address limit - MAC address flapping detection and management
IP Services	- IPv4/IPv6 Management - DHCP v4/v6 Client/Server/Relay - Static Routing, VRRP, ECMP and Policy based Routing
Multicast	- IGMP v1/v2/v3 and MLD, Snooping, IGMP MVR
QoS Capabilities	- Classification based on MAC, IP, port, VLAN, and CoS with color-aware & color-blind approach, 2 rate 3 color markers, Hierarchical CAR, 8 Priorities & 8 queues per port, WRED - WRED, Shaping per queue/port, SP/WRR/SP+WRR queue scheduling
Reliability	- LAG (Static/LACP), STP/RSTP/MSTP, G.8031/G.8032, Loop-Detection
OAM & SLA Assurance	- CFM & Y1731
Management	- Management over IPv4/IPv6 - Web GUI - AAA (IPv4/IPv6 RADIUS/TACACS) Support - ZTP (Zero Touch Provisioning) - SNMP v1/v2c/v3, Console, Telnet, SSHv2, Syslog, CPU, Memory, Voltage & Temp Monitors, SFP Digital Diagnostics Management (DDM) - Time Management SNTP, NTP, and PTP

Ordering Information

Part Number	Description
XE-308-AC	L2 access Enterprise switch, 8×1G RJ45 + 4×10G SFP+, embedded with single AC power supply, fan-less
XE-308-DC	L2 access Enterprise switch, 8×1G RJ45 + 4×10G SFP+, embedded with single DC power supply, fan-less

POE* - For POE supported hardware, contact Sales at sales@telco.com with your enquiries.

Experience the Power of Telco Systems X-Series: Invest in **XE-308** to boost your network. Contact Telco Systems at sales@telco.com or visit our website www.telco.com.