

QUANT 2800 SWITCH SERIES



GIGABIT UPLINK 16/24-PORT LAYER 2 + 4 SFP MANAGED POE SWITCH



Q-M-2800-16P-L2-4S



Q-M-2800-24P-L2-4S

PRODUCT OVERVIEW

The **Quant 2800 PoE Switch Series** delivers cost-effective L2+ managed Gigabit PoE switching with intelligent power management, advanced security, and flexible uplink options.

Available in 16-port and 24-port configurations with 4 × Gigabit SFP uplinks, these switches are ideal for IP surveillance, wireless coverage, hospitality, and SMB networking environments requiring high-density PoE deployment and reliable backbone connectivity.

Supporting IEEE 802.3af/at PoE+, the series provides up to 30 W per port, with total PoE budgets of 250 W (16-port) and 400 W (24-port). Robust ACL, QoS, VLAN, and STP functions ensure network resiliency, while comprehensive management tools support easy configuration and maintenance.

PRODUCT FEATURE

- **Gigabit Access with High Uplink Flexibility**
 - 4 × Gigabit SFP uplink ports for flexible fiber connectivity
 - Non-blocking wire-speed switching performance
 - Ideal for long-distance fiber backbone integration
- **Smart PoE+ Power**
 - IEEE 802.3af/at compliant, up to 30 W per port
 - 250 W total power (16-port) / 400 W (24-port)
 - Intelligent PoE power allocation and scheduling
 - Remote monitoring via Web/SNMP
- **Advanced Switching & Security**
 - VLAN, QinQ, RSTP, IGMP Snooping, LACP
 - ACL and 802.1X authentication for secure access
 - QoS with 8 priority queues and flexible scheduling
- **Reliable Hardware Design**
 - Industrial-grade surge protection (4 kV)
 - Fan-cooled galvanized steel housing
 - LED indicators for power, PoE, and link status.

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TECHNICAL SPECIFICATION

Model	Downlink PoE Ports	SFP Uplink	Network Protocol	Transmission Distance
Connectivity				
Q-M-2800-16P-L2-4S	16 × 10/100/1000 Mbps PoE+	4 × 1 G SFP combo	IEEE 802.3af/at	100 m
Q-M-2800-24P-L2-4S	24 × 10/100/1000 Mbps PoE+	4 × 1 G SFP combo	IEEE 802.3af/at	100 m

- SFP ports support multimode up to 550 m and single-mode up to 20 km depending on module.

Model	Switching Capacity	Forwarding Rate	MAC Address Table	Buffer Memory	CPU	Forwarding Mode	Input Voltage
Performance and Efficiency							
Q-M-2800-16P-L2-4S	56 Gbps	29.76 Mpps	8K	4.1 Mbit	500 MHz	Store-and-forward	240W
Q-M-2800-24P-L2-4S	56 Gbps	41.7 Mpps	8K	4.1 Mbit	500 MHz	Store-and-forward	380W

- RSTP (IEEE 802.1w) and ERPSv2 for link redundancy
- -20 °C to +55 °C operating temperature
- Surge protection 4 kV, IP30 enclosure rating
- CE, FCC, RoHS certifications for global deployments.

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TECHNICAL SPECIFICATION



Model	Q-M-2800-16P-L2-4S	Q-M-2800-24P-L2-4S
Interface Characteristics		
Max Power Consumption	Standby<16W, Full load<240W	Standby<18W, Full load<380W
Power Supply	Built-in power supply, AC100~240V 50~60Hz, 4.1A	Built-in power supply, AC100~240V 50~60Hz, 5.0A
Dimensions (L×W×H)	440*290*44.5mm	440×290×44.5 mm
Weight	4.6 kg	4.7 kg
Operating Temp	-20~+55°C, 5%~90% RH Non condensing	
Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30	
Certifications	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS	
Country of Origin	Vietnam	
Warranty	2 Years	

ORDERING INFORMATION

Model	Description	Input Voltage
Q-M-2800-16P-L2-4S	16-Port Gigabit PoE+ L2 Managed Switch with 4 × SFP Uplinks	250W
Q-M-2800-24P-L2-4S	24-Port Gigabit PoE+ L2 Managed Switch with 4 × SFP Uplinks	400W

