

QUANT 3800 SWITCH SERIES



Q-M-3800-24P-L2-4S-V

PRODUCT OVERVIEW

The **Quant 3800 PoE Switch Series** is a next-generation L2+ managed Gigabit PoE+ switch with 10 G SFP+ uplinks, designed for high-performance IP surveillance networks, enterprise backbones, and large PoE deployments.

Featuring 24 × Gigabit PoE+ 1*Console RS232 port (115200,N,8,1) and 4 × 1/10G SFP+ uplink ports, this model delivers non-blocking wire-speed switching, intelligent PoE management, and comprehensive security features.

Supporting IEEE 802.3af/at PoE+, each port provides up to 30 W, with a total PoE budget of 400 W. Advanced features such as ERPS (<20 ms recovery), RSTP/MSTP, IPv4/IPv6 management, and static routing make this switch ideal for high-availability, large-scale deployments in hospitality, education, commercial, and industrial environments.

PRODUCT FEATURE

- **High-Performance Switching**
 - 24 × Gigabit PoE+ access ports
 - 4 × 1/10G SFP+ uplink ports for flexible backbone integration
 - 176 Gbps non-blocking switching capacity
- **Advanced PoE+ Power**
 - IEEE 802.3af/at compliant, up to 30 W per port
 - 400 W total PoE budget
 - Per-port priority, scheduling, and monitoring
 - Intelligent overload protection
- **Enhanced Security & Control**
 - Port isolation and broadcast storm suppression
 - 802.1X authentication, IP+MAC+Port+VLAN binding
 - ACL and DHCP snooping to prevent unauthorized access
- **Robust & Reliable Design**
 - 4 kV surge protection
 - Built-in high-efficiency power supply
 - Fan-cooled galvanized steel housing for thermal stability.

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TECHNICAL SPECIFICATION

Model	Downlink PoE Ports	SFP Uplink	Network Protocol	Transmission Distance
Connectivity				
Q-M-3800-24P-L2-4S-V	24 × 10/100/1000 Mbps PoE+	4 × 1/10G SFP+	IEEE 802.3af/at	100 m

- Multi-mode fiber: up to 550 m (10G: 300 m)
- Single-mode: 1310nm/ 0-40km, 1550nm/ 0-120km, support DDM function and hot plugging

Model	Switching Capacity	Forwarding Rate	MAC Address Table	Buffer Memory	Jumbo Frame	Forwarding Mode	Input Voltage
Performance and Efficiency							
Q-M-3800-24P-L2-4S-V	176 Gbps	95.23 Mpps	32 K	32 Mbit	9.6 KB	Store-and-forward	400W

- RSTP / MSTP / ERPS ring protection (<20 ms recovery)
- -20 °C to +55 °C operating temperature
- 4 kV lightning protection, IP30 protection level
- Dual firmware image support and watchdog protection
- CE, FCC, RoHS, and CCC certifications.

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TECHNICAL SPECIFICATION



Model	Q-M-3800-24P-L2-4S-V
Interface Characteristics	
Max Power Consumption	Standby<25W, full Load<400W
Power Supply	Built-in power supply, AC100~240V 50-60Hz, 5.0A
Dimensions (L×W×H)	440 × 290 × 44.5 mm
Weight	4.8 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, RoHS
Country of Origin	Vietnam
Warranty	2 Years

ORDERING INFORMATION

Model	Description	Input Voltage
Q-M-3800-24P-L2-4S-V	24-Port Gigabit PoE+ L2 Managed Switch with 4 × 1/10G SFP+ Uplinks	400W

