

QUANT 2800 SWITCH SERIES



GIGABIT UPLINK 16/24-PORT L2 MANAGED POE SWITCH



Q-M-2800-16P-L2-2S-2EU



Q-M-2800-24P-L2-2S-2EU

PRODUCT OVERVIEW

The **Quant 2800 PoE Switch Series** provides cost-effective Layer 2 managed Gigabit switching with intelligent PoE+ power, ideal for IP surveillance, wireless coverage, and SMB networks.

Equipped with 16 or 24 × Fast Ethernet PoE+ ports, 2 × Gigabit RJ45 uplink ports, and 2 × Gigabit SFP combo uplink ports, these switches deliver flexible connectivity, reliable power distribution, and enhanced network management features.

Supporting IEEE 802.3af/at, each PoE port delivers up to 30 W, with total PoE power of 400 W (16 & 24 ports). Integrated ACL, QoS, STP/RSTP/MSTP, and VLAN capabilities make these switches suitable for campus, hospitality, retail, and light industrial deployments.

PRODUCT FEATURE

- **Flexible Uplink Options**
 - 2 × Gigabit RJ45 uplinks + 2 × Gigabit SFP combo uplinks on all models
 - Non-blocking wire-speed forwarding for smooth backbone connectivity
- **Smart PoE+ Power**
 - 30 W per port, IEEE 802.3af/at compliant
 - Priority power allocation to critical devices
 - Remote PoE scheduling and monitoring through web UI
- **Advanced Switching Functions**
 - STP/RSTP/MSTP loop protection
 - VLAN & QinQ configuration
 - IGMP Snooping for efficient multicast
- **Rugged & Efficient Design**
 - Fan-cooled steel housing
 - 4 kV surge protection on all ports
 - LED indicators for quick diagnostics.

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TECHNICAL SPECIFICATION

| Model | Downlink PoE Ports | Uplink Ports | SFP Uplink | Network Protocol | Transmission Distance |
|-------------------------------|----------------------------|--------------|-------------------|------------------|-----------------------|
| Connectivity | | | | | |
| Q-M-2800-16P-L2-2S-2EU | 16 × 10/100/1000 Mbps PoE+ | 2 × 1 G | 2 × 1 G SFP combo | IEEE 802.3af/at | 100 m |
| Q-M-2800-24P-L2-2S-2EU | 24 × 10/100/1000 Mbps PoE+ | 2 × 1 G | 2 × 1 G SFP combo | IEEE 802.3af/at | 100 m |

- PoE pins: 1/2 (+), 3/6 (-)
- Auto-negotiation and auto-MDI/MDIX supported.

| Model | Switching Capacity | Forwarding Rate | MAC Address Table | Buffer Memory | Jumbo Frame | Forwarding Mode | Input Voltage |
|-----------------------------------|--------------------|-----------------|-------------------|---------------|-------------|-------------------|---------------|
| Performance and Efficiency | | | | | | | |
| Q-M-2800-16P-L2-2S-2EU | 14.8 Gbps | 5.36 Mpps | 8K | 4.1 Mbit | 10 KB | Store-and-forward | 240W |
| Q-M-2800-24P-L2-2S-2EU | 14.8 Gbps | 6.55 Mpps | 8K | 4.1 Mbit | 10 KB | Store-and-forward | 380W |

- 4 kV port surge protection
- Operating temperature -20 °C to +55 °C
- Fan-cooled, galvanized steel 1U housing
- Rackmount, wall-mount, or desktop installation
- LED indicators for power, PoE, link, and speed
- CCC, CE, FCC, and RoHS certified.

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TECHNICAL SPECIFICATION



| Model | Q-M-2800-16P-L2-2S-2EU | Q-M-2800-24P-L2-2S-2EU |
|----------------------------------|---|---|
| Interface Characteristics | | |
| Max Power Consumption | Standby<15W, 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) | 440×290×44.5 mm | 440×290×44.5 mm |
| Weight | 4.3 kg | 4.5 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-L2-2S-2EU | 16-Port Fast Ethernet PoE+ Managed Switch with 2 × RJ45 + 2 × SFP Combo Uplinks | 250W |
| Q-M-2800-24P-L2-2S-2EU | 24-Port Fast Ethernet PoE+ Managed Switch with 2 × RJ45 + 2 × SFP Combo Uplinks | 400W |

