

QUANT 308 SWITCH SERIES



Q-UM-308-16P-2EU-1S



Q-UM-308-24P-2EU-1S

PRODUCT OVERVIEW

The **Quant 308 PoE Switch Series** is designed to deliver high-performance Gigabit Ethernet switching with PoE+ power for medium to large networks, surveillance systems, wireless deployments, and commercial infrastructure.

Featuring 16 or 24 PoE+ downlink Gigabit ports and 2 SFP uplink fiber ports, these unmanaged switches provide IEEE 802.3af/at compliant power with up to 30 W per port, a total PoE budget of 250 W, and support for long-distance transmission up to 250 m.

With non-blocking switching capacity, rugged steel enclosures, surge protection, and fan-assisted cooling, the Series 308 delivers stable, reliable performance for powering IP cameras, wireless access points, VoIP phones, and IoT devices.

PRODUCT FEATURE

- High-Density PoE+ Access
16 × Gigabit PoE+ ports or 24 × Gigabit PoE+ ports
- IEEE 802.3af/at compliant, up to 30 W per port
250 W total PoE budget
- Flexible Uplink Options
1 × 1 G SFP fiber uplinks for backbone or NVR connectivity
- Non-Blocking Performance
Up to 52 Gbps switching capacity with wire-speed forwarding
- Extended PoE Transmission
Long-reach PoE up to 250 m on supported ports
- Rugged & Efficient Design
Galvanized steel housing, surge protection, built-in power supply, fan cooling
- Plug-and-Play Deployment
Unmanaged operation, auto-negotiation, auto-MDI/MDIX.

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TECHNICAL SPECIFICATION

Model	Downlink PoE Ports	Uplink Ports	SFP Uplink	Network Protocol	Transmission Distance	Extended PoE
Connectivity						
Q-UM-308-16P-2EU-1S	16 × 10/100/1000 Mbps PoE+	2 × 10/100/1000	1*1000Base-X uplink SFP	IEEE 802.3af/at (PoE+)	100 m	Up to 250 m
Q-UM-308-24P-2EU-1S	24 × 10/100/1000 Mbps PoE+	2 × 10/100/1000	1*1000Base-X uplink SFP	IEEE 802.3af/at (PoE+)	100 m	Up to 250 m

- PoE pins: 1/2 (+), 3/6 (-)
- Auto MDI/MDIX and auto-negotiation supported on all RJ45 ports

Model	Switching Capacity	Forwarding Rate	MAC Address Table	Buffer Memory	Jumbo Frame	Forwarding Mode	Input Voltage
Performance and Efficiency							
Q-UM-308-16P-2EU-1S	38 Gbps	28.28 Mpps	4K	4M	9.2 K	Store-and-forward	250W
Q-UM-308-24P-2EU-1S	12 Gbps	8.04 Mpps	2K	2M	9.2 K	Store-and-forward	250W

- 4 kV Surge Protection on all ports
- Operating Temperature: -20 °C to +55 °C
- Fan-cooled 1U Steel Housing for consistent thermal performance
- Rack-Mountable Design for standard 19" cabinets
- LED Indicators for PWR, Link, PoE, and SFP status
- CCC, CE, FCC, RoHS Certified.

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TECHNICAL SPECIFICATION



Model	Q-UM-308-16P-2EU-1S	Q-UM-308-24P-2EU-1S
Interface Characteristics		
Max Power Consumption	Standby<15W, full load<240W	Standby<20W, full load<250W
Power Supply	Built-in power supply, AC100~240V 50-60Hz, 4.1A	
Dimensions (L×W×H)	350*215*44 mm	350*215*44mm
Weight	2.5 kg	2.5 kg
Operating Temp	-20~+55°C, 5%~90% RH Non condensing	
Lightning Protection	Port 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-UM-308-16P-2EU-1S	16-Port Gigabit PoE+ Unmanaged Switch with 2 × SFP Uplink Ports	250W
Q-UM-308-24P-2EU-1S	24-Port Gigabit PoE+ Unmanaged Switch with 2 × SFP Uplink Ports	250W

