

QUANT 408 SWITCH SERIES



QUANT UNMANAGED POE SWITCH



Q-UM-408-48P-2S-2EU

PRODUCT OVERVIEW

The Quant **Q-UM-408-48P-2S-2EU** is an unmanaged, plug-and-play PoE switch built for high-density PoE deployments. It provides 48 × 10/100M PoE RJ45 ports, 2 × Gigabit uplink SFP fiber ports, and 2 × Gigabit uplink RJ45 ports. Ports 1–48 support IEEE 802.3af/at PoE, delivering up to 30W per port, and automatically detects compliant PoE devices to supply power through the network cable.

Ideal for powering IP cameras, wireless APs, VoIP phones, and intercom devices in commercial and enterprise environments

PRODUCT FEATURE

Plug & Play (Unmanaged)

- No configuration required – auto learning / auto aging MAC, easy deployment
- Metal chassis, stable operation and low power consumption

Smart PoE Power

- Complies with IEEE 802.3af/at, protects non-PoE devices by auto detection
- PoE priority ensures critical ports stay powered first when PoE budget is limited

Reliable Performance

- Store-and-forward, wire-speed forwarding
- Supports 9K/10K jumbo frame (as per reference specs)

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TECHNICAL SPECIFICATION

Interfaces & Ports

- 48 × 10/100Base-TX PoE RJ45 ports (Data/Power)
- 2 × 10/100/1000Base-T uplink RJ45 ports (Data)
- 2 × 1000M uplink SFP fiber ports (Data)

Ethernet

- Auto-sensing, Full/Half duplex, MDI/MDI-X auto
- Cabling ≤100m: Cat3/4/5 (10M), Cat5+ (100M), Cat5e+ (1G)

Fiber (SFP)

- Optical modules not included (optional SM/MM, LC)
- Typical distance: MM 850nm up to 500m, SM 1310nm up to 40km, 1550nm up to 120km

Switching Performance

- Standards: IEEE 802.3 / 802.3i / 802.3u / 802.3ab / 802.3z / 802.3x
- Switching capacity: 30Gbps
- Forwarding rate (@64 bytes): 11.61Mpps
- MAC table: 16K
- Buffer memory: 4M
- Jumbo frame: 10K
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LED Indicators

- PWR (Green), Link (Yellow), PoE (Green), 1000M (Green)

POE & POWER

PoE

- PoE ports: 1–48
- Max PoE power per port: 30W (IEEE 802.3af/at)
- Power pins: 1/2 (+), 3/6 (-)

Power

- Total PoE budget / Input voltage: 600W / AC 100–240V
- Consumption: Standby < 35W, Full load < 600W
- Built-in PSU: AC100–240V, 50–60Hz, 6.6A

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ENVIRONMENT & PHYSICAL

Environment

- Operating: -20°C to +55°C, 5%–90% RH (non-condensing)
- Storage: -40°C to +75°C, 5%–95% RH (non-condensing)

Physical

- Dimensions (L×W×H): 440 × 290 × 44.5 mm
- Net / Gross weight: 4.4 kg / 5.2 kg
- Installation: Desktop / 1U / 19" rack mount

CERTIFICATION & WARRANTY

- **Lightning protection: 4KV 8/20us, IP30**
- **Certification: CCC, CE, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS**
- **Warranty: 3 years, lifelong maintenance**

ORDERING INFORMATION

- **Q-UM-408-48P-2S-2EU — Unmanaged PoE switch with 48 × 10/100M PoE, 2 × 1G SFP uplinks, and 2 × 1G RJ45 uplinks, supporting IEEE 802.3af/at, up to 30W per PoE port, with built-in PSU and rack-mount form factor.**
- **Note: SFP optical modules are not included and must be purchased separately.**

PACKING LIST

- **Quant Unmanaged PoE Switch — 1 set**
- **AC Power Cable — 1 pc**
- **Mounting Kit — 1 set**
- **User Guide — 1 pc**
- **Warranty Card / Compliance Certificate — 1 pc**