

QUANT 7200 POE SWITCH SERIES



Q-IE-7200-4P-1S-MM



Q-IE-7200-4P-1S-SM

PRODUCT OVERVIEW

The **Quant 7200 Industrial PoE Switch Series** delivers rugged, reliable, and intelligent networking for harsh industrial and mission-critical environments. Designed to meet the demands of edge automation, surveillance, transportation, and energy systems, these compact switches provide stable Gigabit Ethernet connectivity, intelligent PoE power delivery, and wide-temperature operation for uninterrupted performance.

The series includes unmanaged and managed models, available in 4-port Fast Ethernet. Supporting IEEE 802.3af/at PoE standards, each port provides up to 30 W per device, enabling direct power for IP cameras, access points, and industrial sensors via Ethernet.

All models feature dual DC power inputs, 6 kV surge protection, and IP40-rated metal housings, ensuring long-term reliability in extreme temperatures from -40 °C to +75 °C. With DIN-rail mounting, plug-and-play deployment, and smart fault indicators, the Quant 7200 Series offers a cost-effective, field-proven switching solution for industrial automation and edge networks.

PRODUCT FEATURE

- **Industrial-Grade Design**
 - 40 °C ~ +75 °C operating range with IP40 protection
 - Fanless aluminum alloy housing for superior heat dissipation
 - 6 kV surge and ESD protection on all ports
- **Smart PoE Power Supply**
 - IEEE 802.3 af/at compliant, up to 30 W per port
 - Intelligent power detection prevents damage to non-PoE devices
 - 2 sets V+, V- redundant DC power ports (5P industrial Phoenix terminal)
- **High Reliability & Stability**
 - Wide voltage range and redundant inputs with reverse-polarity protection
 - Low power consumption and extended MTBF for 24/7 operation
 - Compliance with CE, FCC, RoHS, IEC61000-4 industrial standards

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PRODUCT FEATURE

- **Flexible Networking Options**

Fast Ethernet or Gigabit Ethernet models

Multi-mode and single-mode fiber uplinks (0.5 km – 20 km)

Store-and-forward switching with wire-speed forwarding

- **Easy Deployment & Maintenance**

Plug-and-play unmanaged operation

LED status indicators for power, link, and PoE activity

Desktop or 35 mm DIN-rail mounting for quick installation

TECHNICAL SPECIFICATION

Model	Downlink PoE Ports	SFP Uplink	Fiber Type	Transmission Distance	Power Input
Connectivity					
Q-IE-7200-4P-1S-MM	4 × 10/100 Base-T PoE	1 × 155 Mbps SC fiber	Multi-mode	850 nm / 0-500 m	Dual 48-57 V DC
Q-IE-7200-4P-1S-SM	4 × 10/100/1000 Mbps	1 × 155 Mbps SC fiber	Single-mode	1310 nm / 0-20 km/1550mm-0-120km	Dual 48-57 V DC

Model	Switching Capacity	Forwarding Rate	MAC Address Table	Buffer Memory	Jumbo Frame	Forwarding Mode	Input Voltage
Performance and Efficiency							
Q-IE-7200-4P-1S-MM	1 Gbps	0.74 Mpps	1 K	512 KB	9.2 KB	Store-and-Forward, Full Wire Speed	30 W
Q-IE-7200-4P-1S-SM	1 Gbps	0.74 Mpps	1 K	512 KB	9.2 KB	Store-and-Forward, Full Wire Speed	30 W

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TECHNICAL SPECIFICATION



Model	Q-IE-7200-4P-1S-MM	Q-IE-7200-4P-1S-SM
Interface Characteristics		
Downlink Ports	4 × 10/100 Base-T PoE	4 × 10/100 Base-T PoE
Uplink Ports	1 × 155 M SC Fiber (MM)	1 × 155 M SC Fiber (SM)
Forwarding Rate	0.74 Mpps	
Input Voltage	48~57 V DC (Dual)	
Power Consumption	< 120 W max	
Physical Parameter		
Operation TEMP/ Humidity	-20~+55°C, 5%~90% RH Non condensing	
Storage TEMP/ Humidity	-40~+75°C, 5%~95% RH Non condensing	
Dimension (L*W*H)	119*100*30mm	
Weight	0.5kg	
Installation	Desktop, 1U/19" cabinet	
Certification & Warranty		
Lightning protection	Lightning protection: 6KV 8/20us, Protection level: IP30	
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class A, RoHS	
Country of Origin	Vietnam	
Warranty	2 Years	

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ORDERING INFORMATION

Model	Description	Input Voltage
Q-IE-7200-4P-1S-MM	5-Port 10/100 Mbps Industrial PoE Switch with 4 × PoE ports and 1 × 155 M SC Multi-Mode uplink, Dual DC inputs.	30 W
Q-IE-7200-4P-1S-SM	5-Port 10/100 Mbps Industrial PoE Switch with 4 × PoE ports and 1 × 155 M SC Single-Mode uplink, Dual DC inputs.	30 W