

## QUANT 7200 POE SWITCH SERIES



Q-IE-7200-4P-2S-RS



Q-IE-7200-8P-2S-RS

### PRODUCT OVERVIEW

The **Quant 7200 Industrial managed PoE** with 4 or 8 Gigabit PoE RJ45 ports, 2 × 100/1000M SFP uplink fiber ports, and 1 × RS232 console port for configuration and maintenance. Supporting IEEE 802.3af/at PoE, each PoE port delivers up to 30 W, enabling direct power for wireless APs, IP cameras, VoIP phones, industrial sensors, and other PoE terminal devices through the network cable.

Built for reliable field deployment, both models support dual 48–57 V DC redundant power input, IP40-rated aluminum alloy housing, 6 kV surge protection, and DIN-rail mounting. They also provide L2+ network management, supporting IPv4 management, static routing, VLAN, QoS, ACL, RSTP, IGMP Snooping, SNMP, CLI, Web, and Telnet, making them suitable for industrial communication networks that require security, stability, and simplified maintenance.

### PRODUCT FEATURE

- **Industrial-Grade Design**

- Rugged industrial construction with IP40-rated aluminum alloy housing
- Wide operating temperature range for harsh industrial environments
- Excellent heat dissipation for stable long-term operation
- 6 kV surge protection and industrial EMC compliance for reliable field performance

- **Smart PoE Power Supply**

- IEEE 802.3af/at compliant, up to 30 W per PoE port
- Intelligent PoE detection protects non-PoE devices
- PoE status monitoring and PoE management through network configuration
- Dual 48–57 V DC redundant power input via industrial Phoenix terminal

- **Flexible Fiber Connectivity**

- Q-IE-7200-4P-2S-RS: 4 × 10/100/1000M PoE RJ45 + 2 × 100/1000M SFP uplink ports
- Q-IE-7200-8P-2S-RS: 8 × 10/100/1000M PoE RJ45 + 2 × 100/1000M SFP uplink ports
- Supports optional single-mode / multi-mode / single-fiber / dual-fiber optical modules
- Console port included for local configuration and maintenance

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### PRODUCT FEATURE

- **Strong Business Processing Capability**

Supports IEEE 802.1Q VLAN

Supports RSTP for link backup and network redundancy

Supports IGMP Snooping v1/v2 for video and multicast applications

Supports QoS, ACL, port mirroring, and link aggregation for efficient traffic control and security policy deployment

- **Security and Reliable Operation**

Supports port isolation, storm control, and 802.1X authentication

Supports AAA / RADIUS, password protection, and IP source address protection

LED indicators for PWR, SYS, Link, L/A, and PoE

Low power consumption and stable 24/7 industrial operation

- **Easy O&M Management**

Supports Web, CLI, SNMP v1/v2/v3, and Telnet

CPU monitoring, memory monitoring, ping detection, and system logs

LLDP for link discovery and network status visibility

One-click recovery, configuration management, and clock synchronization support

### TECHNICAL SPECIFICATION

Model	Console Port	Downlink PoE Ports	SFP Uplink	Management Type	Power Input			
<b>Connectivity</b>								
<b>Q-IE-7200-4P-2S-RS</b>	1 × RS232	4 × 10/100/1000Base-T PoE	2 × 100/1000Base-X SFP	L2+ Managed	Dual 48–57 V DC			
<b>Q-IE-7200-8P-2S-RS</b>	1 × RS232	8 × 10/100/1000Base-T PoE	2 × 100/1000Base-X SFP	L2+ Managed	Dual 48–57 V DC			
Model	Switching Capacity	Forwarding Rate	CPU	DRAM	Flash	MAC Address Table	Buffer Memory	Buffer Memory
<b>Performance and Efficiency</b>								
<b>Q-IE-7200-4P-2S-RS</b>	36 Gbps	8.93 Mpps	500M	1G	128M	8K	4M	30 W
<b>Q-IE-7200-8P-2S-RS</b>	36 Gbps	14.88 Mpps	500M	1G	128M	8K	4.1M	30 W

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### TECHNICAL SPECIFICATION



Model	Q-IE-7200-4P-2S-RS	Q-IE-7200-8P-2S-RS
<b>Physical Parameter</b>		
<b>Operation TEMP/ Humidity</b>	-40 ~ +75°C, 5% ~ 90% RH non-condensing	-40 ~ +75°C, 5% ~ 90% RH non-condensing
<b>Storage TEMP/ Humidity</b>	-40 ~ +85°C, 5% ~ 95% RH non-condensing	-40 ~ +85°C, 5% ~ 95% RH non-condensing
<b>Dimension (L*W*H)</b>	145 × 134.5 × 47 mm	145 × 134.5 × 47 mm
<b>Weight</b>	0.7 kg / 0.9 kg	0.85 kg / 1.1 kg
<b>Installation</b>	Desktop, 35 mm DIN Rail	Desktop, 35 mm DIN Rail

<b>Protection, Compliance, and Warranty</b>		
<b>Protection Level</b>	IP40	IP40
<b>Lightning Protection</b>	6 kV, 8/20 μs	6 kV, 8/20 μs
<b>ESD</b>	±8 kV contact, ±15 kV air	±8 kV contact, ±15 kV air
<b>EFT</b>	Power ±4 kV, Data ±2 kV	Power ±4 kV, Data ±2 kV
<b>Certification</b>	CCC, CE, FCC Part 15 Class A, RoHS, CE/LVD EN62368-1	CE, FCC Part 15 Class A, RoHS, CE/LVD EN62368-1
<b>Warranty</b>	2 Years	2 Years

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### SOFTWARE FEATURES

- IEEE 802.3x flow control
- Broadcast storm suppression
- Port traffic control and rate limiting
- IPv4 static route / default route
- Port-based VLAN and IEEE 802.1Q VLAN
- RSTP, ERPSv2, IGMP Snooping
- Port mirroring
- QoS with SP, WRR, WFQ
- ACL filtering from L2 to L4
- DHCP Client and DHCP Snooping
- Web network management, SNMP v1/v2/v3, CLI, Telnet, LLDP, NTP, and HTTP file management

### Aggregation Difference

- Q-IE-7200-4P-2S-RS: Max 3 aggregation groups, up to 8 ports per group
- Q-IE-7200-8P-2S-RS: Max 5 aggregation groups, up to 8 ports per group

### ORDERING INFORMATION

Model	Description	Recommended Power Supply
<b>Q-IE-7200-4P-2S-RS</b>	6-Port Gigabit Managed Industrial PoE Switch with 4 × 10/100/1000M RJ45 PoE ports and 2 × 100/1000M uplink SFP fiber ports. Supports IEEE 802.3af/at PoE, dual DC redundant power input, L2+ network management, and DIN-rail mounting.	60W / 120W
<b>Q-IE-7200-8P-2S-RS</b>	10-Port Gigabit Managed Industrial PoE Switch with 8 × 10/100/1000M RJ45 PoE ports and 2 × 100/1000M uplink SFP fiber ports. Supports IEEE 802.3af/at PoE, dual DC redundant power input, L2+ network management, and DIN-rail mounting.	120W / 240W

