

QUANT 7200 POE SWITCH SERIES



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



Q-IE-7200-8P-8S-R

PRODUCT OVERVIEW

The **Quant 7200 Industrial PoE Switch** Series delivers rugged, reliable, and intelligent networking for harsh industrial and mission-critical environments. Designed for edge automation, surveillance, transportation, utilities, and industrial infrastructure, these switches provide stable Gigabit Ethernet connectivity, intelligent PoE power delivery, and wide-temperature operation for uninterrupted performance. The series includes unmanaged and easy-managed models with 8 PoE RJ45 ports and high-speed SFP uplinks for flexible fiber integration across industrial networks.

Supporting IEEE 802.3af/at PoE, each PoE port delivers up to 30 W, enabling direct power for IP cameras, wireless APs, industrial sensors, network devices, and other PoE terminals over Ethernet. Both models support dual DC redundant power inputs, IP40-rated metal housing, 6 kV surge protection, and DIN-rail mounting, making them suitable for reliable long-term deployment in demanding environments.

The Q-IE-7200-8P-2S-R is an unmanaged industrial PoE switch for simple plug-and-play deployment, while the Q-IE-7200-8P-8S-R adds easy L2 management features including VLAN, QoS, link aggregation, port control, PoE management, topology monitoring, and web-based management for more advanced industrial applications.

PRODUCT FEATURE

- **Industrial-Grade Design**

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

- **Smart PoE Power Supply**

- IEEE 802.3af/at compliant, up to 30 W per PoE port
- Intelligent PoE detection protects non-PoE devices
- 8 Gigabit PoE ports support high-density powered device deployment
- Dual 48–57 V DC redundant power input via industrial Phoenix terminal

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PRODUCT FEATURE

- **Flexible Fiber Connectivity**

Gigabit RJ45 PoE access with SFP fiber uplinks for industrial backbone integration

Q-IE-7200-8P-2S-R: 2 × 1000Base-X SFP uplinks

Q-IE-7200-8P-8S-R: 8 × 1000Base-X SFP uplinks

Supports multi-mode and single-mode optical modules for flexible transmission distance planning

- **High Reliability & Stability**

Non-blocking wire-speed forwarding for stable traffic performance

LED indicators for power, link, system, and PoE status

Low power consumption for efficient 24/7 industrial operation

Compliance with major industrial and regulatory standards including CE, FCC, and RoHS

- **Easy Deployment & Maintenance**

Q-IE-7200-8P-2S-R: Plug-and-play unmanaged operation

Q-IE-7200-8P-8S-R: Easy managed L2 switching with web-based control

DIN-rail mounting for quick industrial cabinet installation

Suitable for intelligent transportation, rail, power, mining, petroleum, metallurgy, shipping, and green energy applications

- **Advanced Management Functions (Q-IE-7200-8P-8S-R only)**

L2 management with VLAN, QoS, STP/RSTP, LACP, IGMP Snooping, port mirroring, and security control

PoE port on/off control and real-time PoE status monitoring

Remote upgrade, restart, and factory reset support

Web management, APP/cloud management, and topology-based monitoring functions

TECHNICAL SPECIFICATION

Model	Downlink PoE Ports	SFP Uplink	Management Type	Fiber Support	Power Input
Connectivity					
Q-IE-7200-8P-2S-R	8 × 10/100/1000Base-T PoE	2 × 1000Base-X SFP	Unmanaged	Optional single-mode / multi-mode / single-fiber / dual-fiber optical modules	Dual 48–57 V DC
Q-IE-7200-8P-8S-R	8 × 10/100/1000Base-T PoE	8 × 1000Base-X SFP	Easy Managed L2	Optional single-mode / multi-mode / single-fiber / dual-fiber optical modules	Dual 48–57 V DC

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TECHNICAL SPECIFICATION

Model	Switching Capacity	Forwarding Rate	MAC Address Table	Buffer Memory	Jumbo Frame	Forwarding Mode	Input Voltage
Performance and Efficiency							
Q-IE-7200-8P-2S-R	20 Gbps	14.88 Mpps	2K	2M	9.2 KB	Store-and-Forward, Full Wire Speed	30 W
Q-IE-7200-8P-8S-R	56 Gbps	23.81 Mpps	8K	3M	9.6K	Store-and-Forward, Full Wire Speed	30 W



Model	Q-IE-7200-8P-2S-R	Q-IE-7200-8P-8S-R
Physical Parameter		
Operation TEMP/ Humidity	-40 ~ +80°C, 5% ~ 90% RH non-condensing	-40 ~ +80°C, 5% ~ 90% RH non-condensing
Storage TEMP/ Humidity	-40 ~ +85°C, 5% ~ 95% RH non-condensing	-40 ~ +80°C, 5% ~ 95% RH non-condensing
Dimension (L*W*H)	145 × 134.5 × 47 mm	165 × 148 × 54 mm
Weight	0.9 kg / 1.1 kg	1.1 kg / 1.3 kg
Installation	Desktop, 35 mm DIN Rail	Desktop, 35 mm DIN Rail
Protection, Compliance, and Warranty		
Protection Level	IP40	IP40
Lightning Protection	6 kV, 8/20 μs	6 kV, 8/20 μs
ESD	±8 kV contact, ±15 kV air	±8 kV contact, ±15 kV air
EFT	Power ±4 kV, Data ±2 kV	Power ±4 kV, Data ±2 kV
Certification	CE, FCC Part 15 Class A, RoHS	CE, FCC Part 15 Class A, RoHS

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SOFTWARE FEATURES (Q-IE-7200-8P-8S-R ONLY)

- Port traffic statistics and flow control
- Port status display and duplex / negotiation configuration
- STP / RSTP
- IEEE 802.1Q VLAN
- Static Aggregation / LACP
- IGMP Snooping v1/v2
- Port mirroring
- QoS with CoS / DSCP classification
- ACL-based shaping on L2 / L3 / L4 / UDF
- Broadcast storm control
- Port isolation and MAC learning limit
- Web management, APP operation and maintenance, and cloud platform management

ORDERING INFORMATION

Model	Description	Recommended Power Supply
Q-IE-7200-8P-2S-R	10-Port Gigabit Industrial PoE Switch with 8 × 10/100/1000Base-T PoE ports and 2 × 1000Base-X SFP uplink ports, supporting dual DC redundant power input and DIN-rail mounting.	120W / 240W
Q-IE-7200-8P-8S-R	16-Port Gigabit Easy Managed Industrial PoE Switch with 8 × 10/100/1000Base-T PoE ports and 8 × 1000Base-X SFP uplink ports, supporting dual DC redundant power input, PoE management, and DIN-rail mounting.	120W / 240W

