

IS202 Series

The IS202 series is a 10/12-port full gigabit Layer-2 managed industrial PoE switch with 8 gigabit PoE+ ports and 4 gigabit SFP slots. It powers and networks IP cameras, wireless APs, and industrial IoT devices in harsh environments.



Main Features

01

Full Gigabit PoE+ Power
8×10/100/1000M PoE ports deliver up to 30 W per port, IEEE 802.3af/at compliant, directly powering IP cameras, wireless APs, and industrial endpoints.

02

2/4× Gigabit SFP Uplinks
Flexible fiber uplink expansion for long-distance transmission and multi-service aggregation.

03

Ring Redundancy
Supports ERPS with automatic fast fault convergence.

04

-40 °C to 75 °C Wide Temperature
Fanless metal enclosure, IP40 protection, ready for outdoors, utility pits, and factory-floor edge environments.

05

Redundant Power + Multi-Protection
48–57 VDC redundant dual-power input with overcurrent and reverse-polarity protection; ALM LED for quick fault location.

06

Full L2 Management
CLI / Web / Telnet / SSH / SNMP access, plus VLAN, QoS, IGMP, ACL, DHCP, LLDP, port mirroring, and storm control.

Technical Specifications

Interfaces	
10/100/1000Base-T(X) PoE Ports	8
Gigabit SFP Slots	4/2
Console Port	CLI command line (RS-232), RJ45
Switching	
Switching Capacity	24 Gbps
Buffer Memory	4 Mbit
MAC Address Table	16K
Layer-2 Protocols	
VLAN / Multicast Filtering	802.1Q VLAN, Port-based VLAN, GVRP, IGMP v1/v2/v3, GMRP
Redundancy Protocols	Link Aggregation, MSTP, RSTP, STP, Turbo Chain, Turbo Ring v1/v2
Management	SNMP v1/v2c/v3, QoS, PoE, DHCP Server/Snooping/Relay, Static MAC, LLDP, Storm Control, User Password, Login Mode, File Management, Log Management, Port Statistics
Security	Broadcast Storm Protection, HTTPS/SSL, TACACS+, SNMPv3, MAB Authentication, Sticky MAC, NTP Authentication, MAC ACL, Port Lock, RADIUS, SSH, SMTP over TLS
Time Services	NTP Server/Client, SNTP
Indicators / Control	
LED Indicators	Run, Alarm, Power
DIP Switch	1. RST/Factory 2. 250 m long-distance mode 3. VLAN 4. QoS
Power	
Input Voltage	48 – 57 VDC redundant dual power input
Overcurrent Protection	Supported
Reverse Polarity Protection	Supported
Terminal Block	6-pin 5.08 mm pitch terminal block (4 pins for power)
Mechanical / Environment	
Enclosure	IP40 metal housing
Dimensions (W×H×D)	160 × 54 × 123.5 mm
Weight	≤ 1 kg
Mounting	DIN-rail; wall-mount (with optional kit)
Operating Temperature	-40 °C to 75 °C
Storage Temperature	-40 °C to 85 °C
Relative Humidity	5% to 95% non-condensing
EMC / Certification	
IEC 61000-4-2 (ESD)	Level 4: ±8 kV contact, ±15 kV air
IEC 61000-4-4 (EFT)	Level 4: ±4 kV power, ±2 kV Ethernet
IEC 61000-4-5 (Surge) DC	Level 4: power CM ±4 kV / DM ±2 kV; Ethernet CM ±6 kV / DM ±2 kV
IEC 61000-4-5 (Surge) AC	Level 2: power CM ±2 kV / DM ±2 kV; Level 4: Ethernet CM ±6 kV / DM ±2 kV
Warranty	5 years

Ordering Information

Model	PoE Gigabit Ports	Non-PoE Gigabit Ports	Gigabit SFP	Power Input
IS202-8GP2GS-2P48	8	0	2	48 – 57 VDC redundant dual
IS202-8GP4GS-2P48	8	0	4	48 – 57 VDC redundant dual
IS202-8G2GS-2P48	0	8	2	48 – 57 VDC redundant dual
IS202-8G4GS-2P48	0	8	4	48 – 57 VDC redundant dual

Typical Applications

IP Video Surveillance

Factory Automation

Smart City

Outdoor Network Coverage

Industrial IoT Edge Access

FAQ

Is the IS202 managed or unmanaged?

The IS202 is a Layer-2 managed industrial switch. It supports CLI, Web, Telnet, SSH, and SNMP for remote configuration, monitoring, and troubleshooting.

What is the maximum PoE power per port? Can it power PTZ cameras or APs?

Up to 30 W per port (PoE+, IEEE 802.3at), enough for PTZ cameras, wireless APs, and industrial PoE endpoints.

What is the ring recovery time and which protocols are supported?

Supports ERPS standard ring protocol with <20 ms recovery; also compatible with STP/RSTP/MSTP redundancy protocols.

What are the operating temperature and power requirements?

Operating temperature: -40 °C to 75 °C; power input: 48 – 57 VDC redundant dual power with reverse-polarity and overcurrent protection.

How do I choose between the 2-SFP and 4-SFP models?

IS202-8GP2GS gives 8 PoE + 2 SFP (10 ports); IS202-8GP4GS gives 8 PoE + 4 SFP (12 ports). Choose based on the number of fiber uplinks and bandwidth expansion needs.

Get a Quote & Technical Support

Contact Rayn for IS202 series selection advice, sample units, or volume pricing.

Contact Rayn