3onedata

Make network communication more reliable

IES7110-2GS-2P(12-48VDC)

DIN-Rail or Wall Mounting

10-Port 100M/Gigabit Layer 2 Managed Industrial Ethernet Switch

- Support 2 Gigabit fiber ports (SFP slot) and 8 100M copper ports
- Adopt SW-Ring patented technology, support single ring, coupling ring, chain, Dual-homing, automatic recovery time of network failure < 20ms
- Gigabit bandwidth can realize transmitting large amounts of video, voice and data with high performance and high speed
- Support dual power supply, input voltage: 12~48VDC
- Support -40~75℃ wide operating temperature range

Industrial Grade RPS IP40

Introduction

IES7110-2GS is 10-port 100M/Gigabit layer 2 managed industrial Ethernet switch. This product provides 100M copper ports and Gigabit SFP slots. It adopts DIN-Rail mounting or wall mounting to meet the requirements of different application scenes.

Network management system supports various network protocols and industrial standards, such as STP/RSTP, 802.1Q VLAN, QoS Function, LLDP, IGMP Static Multicast, Port Trunking, Port Mirroring. It also possesses complete management functions, including Port Configuration, Port Statistics, Access Control, Network Diagnosis, Online Upgrading and so on, and supports CLI, WEB, Telnet, SNMP and other access methods. Network management system could bring you great user experience through its friendly interface design and easy and convenient operation.

The input power supply is two independent power supply circuits which can ensure the normal operation of the device when one power supply fails. The design of DIP switch could implement device factory setting recovery. When power supply or port has link failure, ALARM indicator will be bright and send out alarm, meanwhile, alarm device connected to the relay will send out alarm for rapid scene troubleshooting. Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC. It can be widely used in smart city, rail transit, smart city, safety city, new energy, intelligent manufacturing and other industrial fields.

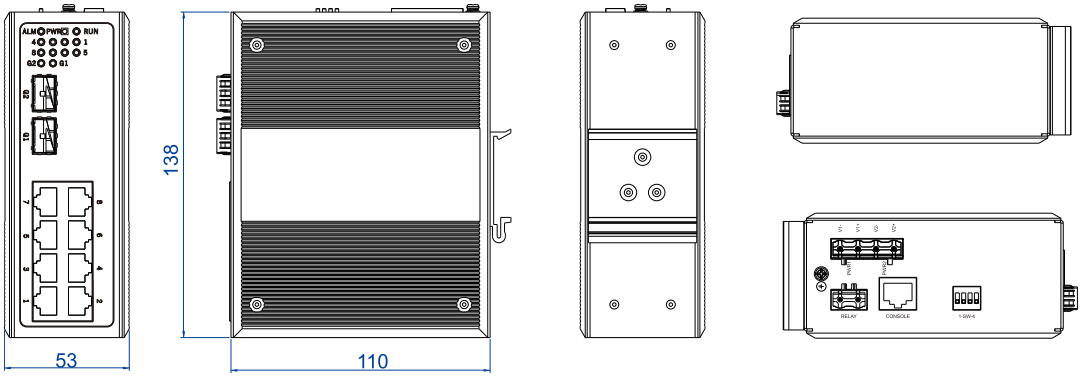
Features and Benefits

- SNMPv1/v2c is used for network management of various levels
- Port mirroring can conduct data analysis and monitoring, which is convenient for online debugging
- QoS supports real-time traffic classification and priority setting
- LLDP can achieve automatic topology discovery, which is convenient for visual management
- File management is convenient for rapid configuration and online upgrading of the device
- Bandwidth management can reasonably distribute network bandwidth, preventing unpredictable network status
- Port statistics can be used for the port real time traffic statistics
- User password can conduct user hierarchical management to improve the device management security
- Relay alarm is convenient for troubleshooting of construction site
- VLAN is used for simplifying network planning
- Port Trunking can increase network bandwidth and enhance the reliability of network connection to achieve optimum bandwidth utilization

- IGMP Snooping and static multicast can be used for filtering multicast traffic to save the network bandwidth
- SW-Ring and STP/RSTP can achieve network redundancy, preventing network storm
- Support port and power connection exception alarm, port rate, CPU and memory utilization rate threshold alarm

Dimension

Unit: mm



Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3z for 1000Base-X IEEE 802.3x for Flow Control IEEE 802.1D for Spanning Tree Protocol IEEE 802.1w for Rapid Spanning Tree Protocol IEEE 802.1Q for VLAN IEEE 802.1p for CoS IEEE 802.1AB for LLDP
Management	SNMP v1/v2c Centralized Management of Equipment, Port Mirroring, QoS, LLDP, DHCP Client, File Management, Port Statistics
Security	Classification of User Permissions, Port Alarm, Power Alarm, Threshold Alarm
Switch Function	802.1Q VLAN, Static Port Aggregation, Bandwidth Management, Flow Control

Unicast / Multicast	Static Multicast, IGMP-Snooping
Redundancy Technology	SW-Ring, STP/RSTP
Interface	100M copper port: 10/100Base-T(X), RJ45, Automatic Flow Control, Full/Half Duplex Mode, MDI/ MDI-X Autotunning SFP slot: 1000Base-X SFP Console port: CLI command line management port(RS-232), RJ45 Alarm port: 2-pin 7.62mm pitch terminal block, support 1 relay alarm output
Indicator	Running Indicator, Port Indicator, Power Supply Indicator, Alarm Indicator
Switch Property	Transmission mode: store and forward MAC address: 8K Buffer: 1Mbit Backplane bandwidth: 7.6G Switch time delay: <10μs
Power Supply	12~48VDC, 4-pin 7.62mm pitch terminal blocks Support dual power supply redundancy and non-polarity
Power Consumption	No-load(@24VDC): 2.23W@24VDC Full-load(@24VDC): 5.49W@24VDC
Working Environment	Operating temperature: -40~75℃ Storage temperature:-40~85℃ Relative humidity: 5%～95% (no condensation)
Physical Characteristic	Housing: IP40 protection, metal Installation: DIN-Rail or wall mounting Dimension (W x H x D): 53mm×138mm×110mm Weight: ≤ 790g
Industrial Standard	IEC 61000-4-2 (ESD, electronic static discharge), Level 4 ● Air discharge:± 15kV ● Contact discharge: ±8kV IEC 61000-4-4 (EFT, electrical fast transient pulses), Level 4 ● Power supply: ±4kV ● Ethernet port: ±2kV ● Relay: ±4kV

	IEC 61000-4-5 (Surge), Level 4 ● Power supply: common mode±4kV, differential mode±2kV ● Ethernet port: ±2kV ● Relay: common mode ±4kV, differential mode±2kV ● Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Authentication	CE, FCC, RoHS
Warranty	5 years

Ordering Information

Available Models	Gigabit SFP Slot	100M Copper Port	Power Supply
IES7110-2GS-2P(12-48VDC)	2	8	12~48VDC dual power supply

Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Song Bai Road, Nanshan District, Shenzhen, 518108, China
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