3onedata
Reliable Connections



IES2312-8GT2GS2HS-2P48

DIN-Rail or Wall Mounting
12-Port Gigabit Unmanaged Industrial Ethernet Switch

- Support 2 2.5G SFP slots, 2 Gigabit SFP slots and 8 Gigabit copper ports
- Support storm suppression, which can suppress broadcast packets and prevent network paralysis
- Support jumbo frame. One jumbo frame can transmit valid characters of up to 9600 bytes which can improve data transmitting efficiency.
- Support Relay alarm, which is used for alarm of port and power abnormal connection, and is convenient for troubleshooting of construction site
- Support Energy Efficient Ethernet which can reduce device power consumption
- Support dual power redundancy, input voltage 12~48VDC
- Support -40~75℃ wide operating temperature range

Industrial Grade

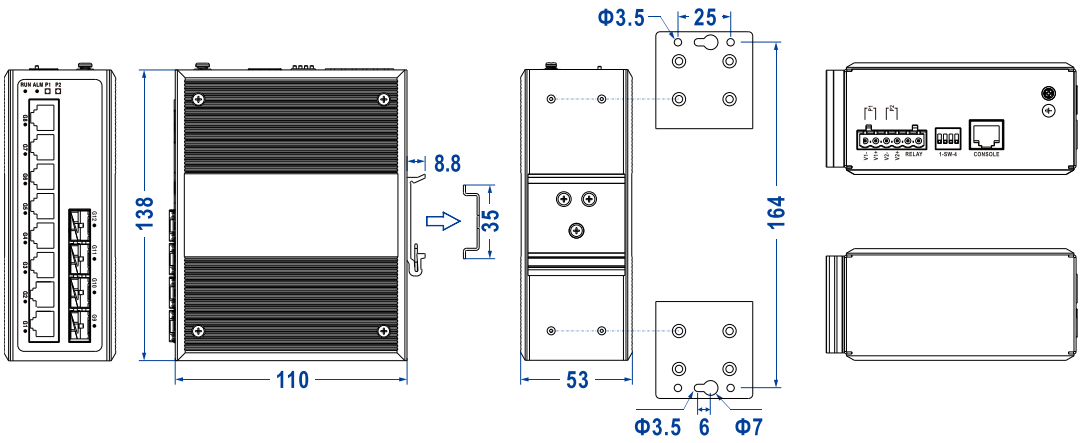
Introduction

IES2312-8GT2GS2HS-2P48 is12-port Gigabit unmanaged industrial Ethernet switch. This product provides multiple interfaces including Gigabit copper ports, Gigabit SFP slots and 2.5G SFP slots. It adopts DIN-Rail mounting or wall mounting to meet the requirements of different application scenes.

The design of DIP switch can achieve Storm Suppression, Jumbo Frame, Relay Alarm and IEEE802.3az Energy Efficient Ethernet. The input power supply is two independent power supply circuits which can ensure the normal operation of the device when one power supply fails. When DC power supply or port has link failure, ALM indicator will be bright and send out alarm, meanwhile, alarm device connected to the relay will send out alarm for rapid scene troubleshooting. The hardware adopts fanless, low power consumption and wide temperature design, which has passed rigorous industrial standard tests, and suits for the industrial scene environment with harsh requirements for EMC. It can be widely used in AP coverage, railway transportation, smart city, safe city, new energy, smart grid, intelligent manufacturing and other industrial fields.

Dimension

Unit: mm



Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X IEEE 802.3az for EEE IEEE 802.3x for Flow Control

Interface	Gigabit copper port: 10/100/1000Base-T(X), RJ45, Automatic Flow Control, Full/Half Duplex Mode, MDI/MDI-X Autotunning Gigabit SFP Slot: 100/1000Base-X self-adaption, SFP slot 2.5G SFP Slot: 100/1000/2.5GBase-X self-adaption, SFP slot Console port: reserved Alarm port: 6-pin 5.08mm pitch terminal blocks, including 2-pin alarm terminal blocks, support 1 relay alarm output, current carrying capacity is 1A@30VDC or 0.3A@125VAC
Indicator	Running Indicator, Alarm Indicator, Power Supply Indicator, Interface Indicator
Switch Property	Transmission mode: store and forward MAC address: 8K Packet buffer size: 4Mbit Backplane bandwidth: 30G Switch time delay: <10μs
Power Supply	Voltage range: 12~48VDC. Connection method: 6- Pin 5.08mm pitch terminal blocks (includes 4-pin power supply) Power supply quantity: dual power supply redundancy backup Connection protection: non-polarity Overcurrent protection: 3A
Power Consumption	No-load: 5.76W@48VDC Full-load: 12W@48VDC
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
Industrial Standard	IEC 61000-4-2 (ESD, electrostatic discharge), Level 3 IEC 61000-4-4 (EFT, electrical fast transient pulses), Level 3 IEC 61000-4-5 (Surge), Level 3 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 Copper Port	Gigabit SFP Slot	2.5G SFP Slot	Power Supply
IES2312-8GT2GS2HS-2P48	8	2	2	12~48VDC redundant power supply

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