3onedata
Reliable Connections



IES2010 Series

DIN-Rail or Wall Mounting

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

- Support 2 Gigabit fiber ports (SFP slot) and 8 optional 100M Ethernet fiber/copper ports
- Gigabit bandwidth can realize transmitting large amounts of video, voice and data with high performance and high speed
- DC Product supports dual power input, with input voltage of 12/24/48VDC (12~60VDC).
- AC Product supports input voltage of 100~240VAC/DC
- Support -40~75℃ wide operating temperature range

Industrial Grade RPS IP40

CONNECTING FOR A BETTER FUTURE

3onedata Co.,Ltd.

Introduction

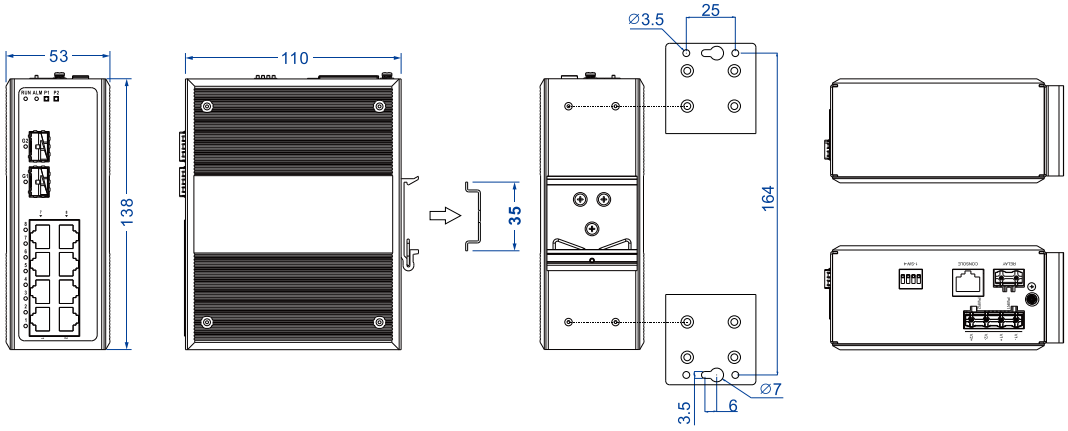
IES2010 series are 10-port 100M/Gigabit layer 2 unmanaged industrial Ethernet switches. This series provides 4 products and supports a variety of interfaces including 100M copper ports, 100M fiber ports, and Gigabit SFP slots. They adopt DIN-Rail mounting or wall mounting to meet the requirements of different application scenes.

DC power supply input consists of two independent power supply circuits, which can ensure device's normal operation when one fails. The design of DIP switch could implement device factory setting recovery. When DC 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 grid, rail transit, smart city, safety city, new energy, intelligent manufacturing and other industrial fields.

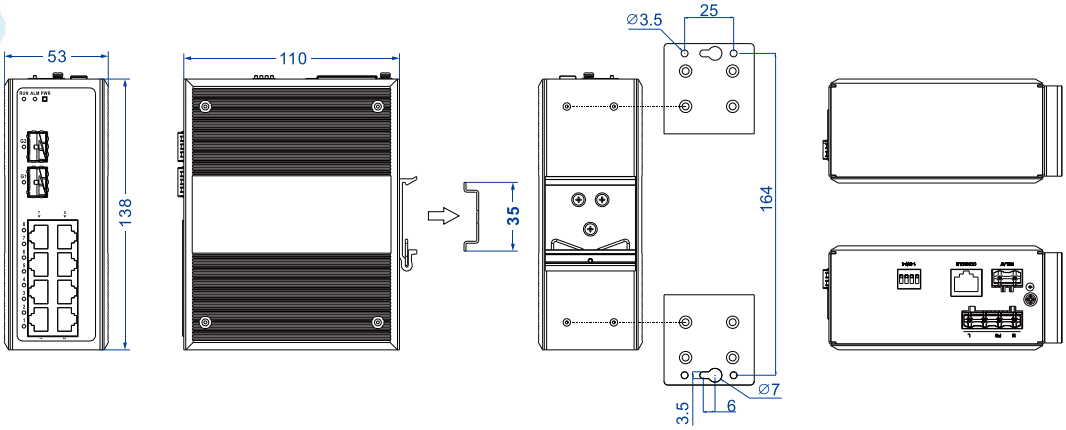
Dimension

Unit: mm

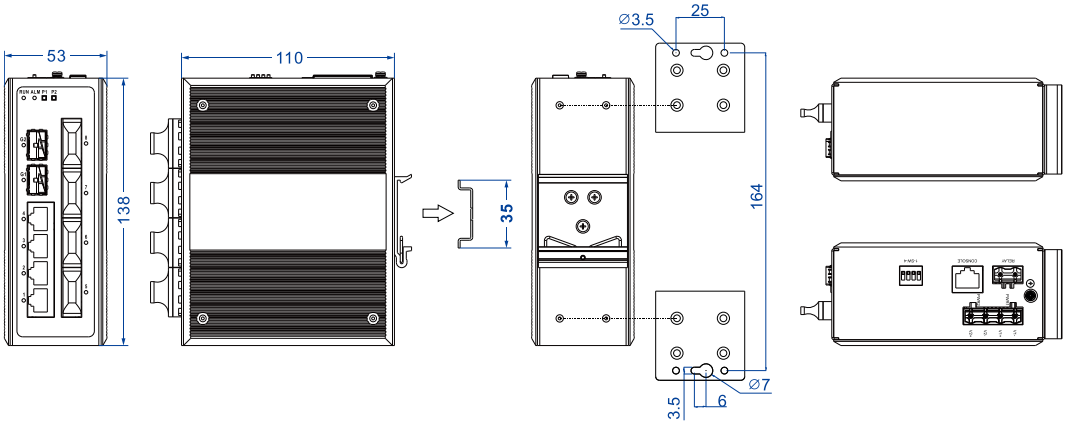
- IES2010-8T2GS-2P48



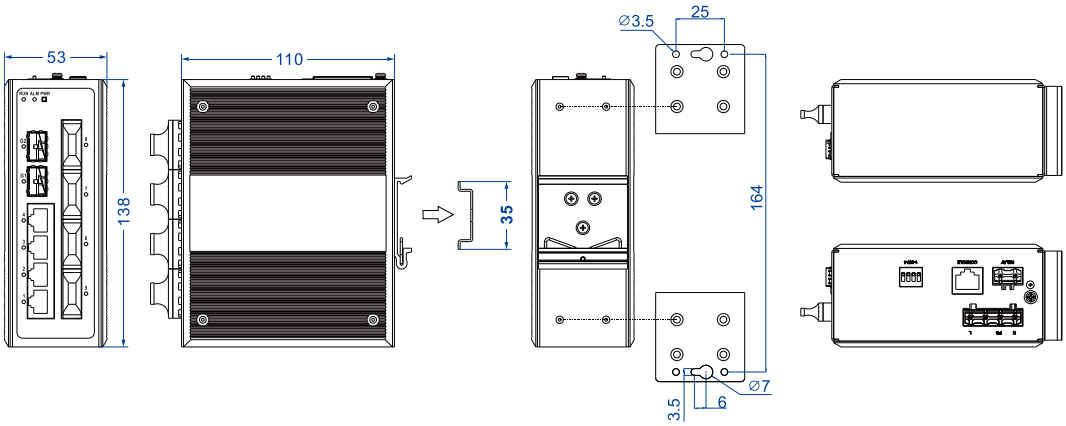
- IES2010-8T2GS-P220



- IES2010-4T4F2GS-2P48



- IES2010-4T4F2GS-P220



Specification

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

Interface	100M copper port: 10/100Base-T(X), RJ45, Automatic Flow Control, Full/Half Duplex Mode, MDI/ MDI-X Autotunning 100M fiber port: 100Base-FX, optional SC/ST/FC SFP slot: 1000Base-X SFP Console port: CLI command line management port (RS-232), RJ45 Alarm port: 2-pin 7.62mm pitch terminal blocks, support 1 relay alarm output
Indicator	Running Indicator, Port Indicator, Power Supply Indicator, Alarm Indicator
Switch Property	Transmission mode: store and forward MAC address: 4K Cache: 2Mbit Backplane bandwidth: 9.6G Switch time delay: <10μs
Power Supply	DC power: 12/24/48VDC (12~60VDC), adopt 4-pin 7.62mm pitch terminal blocks, redundant dual power input, built-in overcurrent protection, support non-polarity AC power: 100~240 VAC/DC, with built-in 5.0A overcurrent protection
Power Consumption	
Working Environment	Operating temperature: -40~75℃ Storage temperature: -40~85℃
Mechanical Structure	Housing: IP40 protection, metal Installation: DIN-Rail or wall mounting Dimension (W x H x D): 53mm×138mm×110mm Weight: 641g
DC Product 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 interface: ±2kV IEC 61000-4-5 (Surge), Level 4

Model	No-load	Full-load
IES2010-8T2GS-2P48	3.8W@48VDC	4.0W@48VDC
IES2010-8T2GS-P220	4.1W@220VAC	4.3W@220VAC
IES2010-4T4F2GS-2P48	7.0W@48VDC	8.6W@48VDC
IES2010-4T4F2GS-P220	6.8W@220VAC	8.0W@220VAC

	• Power supply: common mode ±4kV, differential mode ±2kV • Ethernet port: common mode ±4kV, differential mode ±2kV Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
AC Product Industrial Standard	IEC 61000-4-2 (ESD, electrostatic discharge), Level 3 • Air discharge: ±8kV • Contact discharge: ±6kV IEC 61000-4-4 (EFT, electrical fast transient pulses), Level 3 • Power supply: ±2kV • Ethernet port: ±1kV IEC 61000-4-5 (Surge), Level 3 • Power supply: common mode ±2kV, differential mode ±1kV • Ethernet port: common mode ±2kV, differential mode ±1kV Shock: IEC 60068-2-27 Free fall: IEC 60068-2-31 Vibration: IEC 60068-2-6
Authentication	CE, FCC, RoHS
Warranty	5 years

Ordering Information

Model	Gigabit SFP Slot	100M Copper Port	100M Fiber Port	Power Supply
IES2010-8T2GS-2P48	2	8	—	12/24/48VDC (12~60VDC) dual power supply
IES2010-4T4F2GS-2P48	2	4	4	
IES2010-8T2GS-P220	2	8	—	100~240VAC/DC
IES2010-4T4F2GS-P220	2	4	4	

Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Song Bai Road, Nanshan District, Shenzhen, 518108, China
TEL.: +86-755-26702668 ext 835 FAX: +86-755-26703485
E-mail: ics@3onedata.com
Website: www.3onedata.com

◄ Please scan our QR code for more details

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