3onedata
Reliable Connections



IES2210 Series

DIN-Rail or Wall Mounting

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

- Support 2 Gigabit Combo (SFP slot or RJ45), 8 100M copper ports (PoE optional)
- The maximum power of single PoE port is 30W
- Support optional AC/DC power supply, DC dual power supply redundancy
- Support -40~75℃ wide operating temperature range

Industrial Grade RPS

Introduction

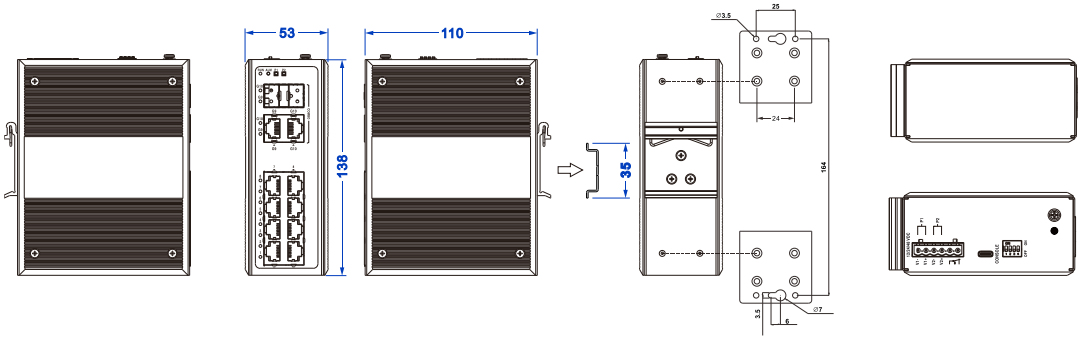
IES2210 series products are 10-port 100M/Gigabit layer 2 unmanaged industrial Ethernet switches. This product provides 100M copper port (PoE optional) and Gigabit Combo port (SFP slot or RJ45), and the PoE power supply conforms to the protocol standard of IEEE802.3af/at. They also adopt DIN-Rail or wall mounting, which can meet the requirements of different scenes.

Support optional AC/DC power supply. The DC power input consists of two independent power supply circuits which can ensure the normal operation of the device when one power supply fails. The design of the DIP switch enables functions such as flow control, forced 10M, and alarm. When 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.

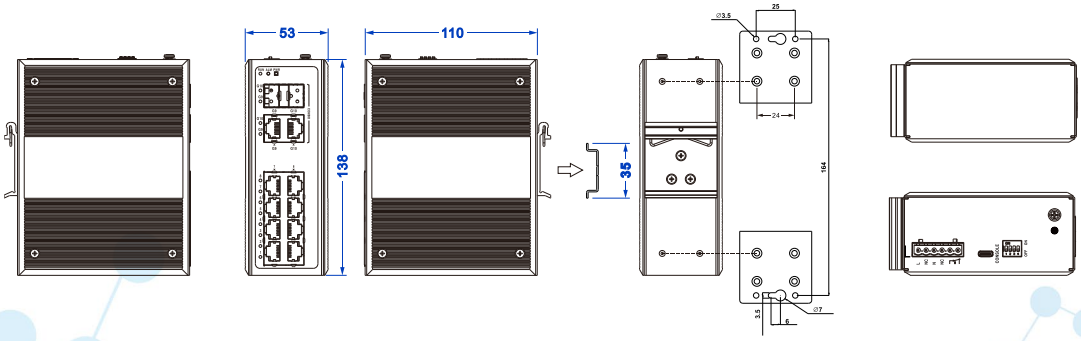
Dimension

Unit: mm

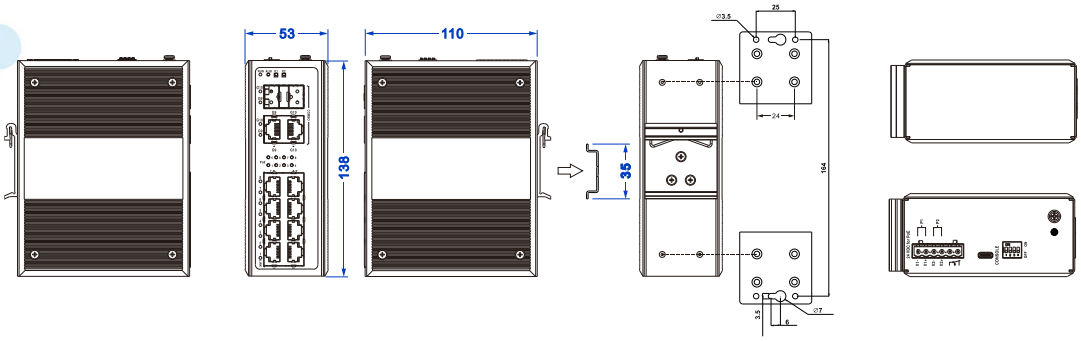
- IES2210-8T2GC-2P48



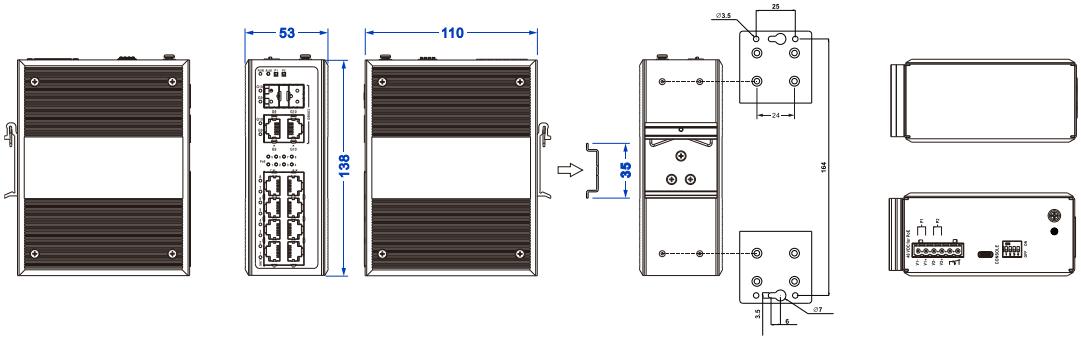
- IES2210-8T2GC-P220



- IES2210-8P2GC-2P24-120W



- IES2210-8P2GC-2P48-240W



Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3z for 1000Base-X IEEE 802.3ab for 1000Base-T IEEE 802.3x for Flow Control IEEE 802.3af for PoE IEEE 802.3at for PoE+
PoE	The maximum power of single PoE port: 30W The power supply pin of PoE: V+, V+, V-, V- correspond to Pin 1, 2, 3, 6
Interface	100M copper port: 10/100Base-T(X), RJ45, Flow Control, Full/half Duplex Mode, MDI/ MDI-X Autotuning Combo port: 10/100/1000Base-T(X) or 1000Base-X Console port: USB Type-C, for program burning Alarm port: 6-pin 5.08mm pitch terminal blocks, alarm occupies 2 pins, support 1 relay alarm output, the current carrying capacity is 1A@30VDC or 0.3A@125VAC
Indicator	Running Indicator, Port Indicator, Power Supply Indicator, Alarm Indicator, PoE Indicator (only for PoE products)
Switch Property	Transmission mode: store and forward MAC address: 4K

	Packet buffer size: 4Mbit Backplane bandwidth: 5.6G Switch time delay: <10μs
Power Supply	24VDC, 48VDC or 220VAC is optional 6-pin 5.08mm pitch terminal blocks, power supply occupies 4 pins DC dual power supply redundancy, reverse connection protection

Power Consumption

Model	No-load (25℃)	Full-load (25℃)	No-load (75℃)	Full-load (75℃)
IES2210-8T2GC-2P48	2.38W@48VDC	4.05W@48VDC	2.59W@48VDC	4.28W@48VDC
IES2210-8T2GC-P220	2.22W@220VAC	3.88W@220VAC	2.46W@220VAC	4.12W@220VAC
IES2210-8P2GC-2P24-120W	3.31W@24VCD	122.6W@24VDC	3.43W@24VDC	123.5W@24VDC
IES2210-8P2GC-2P48-240W	3.17W@48VDC	225.6W@48VDC	3.52W@48VDC	226.8W@48VDC

Working Environment	Operating temperature: -40~75℃ Storage temperature: -40~85℃ Relative humidity: 5%~95% (no condensation)
Mechanical Structure	Housing: IP40 protection, metal Installation: DIN-Rail or wall mounting Dimension (W x H x D): 53mm×138mm×110mm Weight: 0.634kg (IES2210-8T2GC-2P48) 0.661kg (IES2210-8T2GC-P220) 0.675kg (IES2210-8P2GC-2P24-120W) 0.649kg (IES2210-8P2GC-2P48-240W)
Industrial Standard	IES2210-8T2GC-P220, IES2210-8P2GC-2P24-120W, IES2210-8P2GC-2P48-240W: IEC 61000-4-2 (ESD), Level 3 ● Air discharge: ±8kV ● Contact discharge: ±6kV EN61000-4-4 (EFT), Level 3 ● Power supply: ±2kV ● Ethernet port: ±1kV ● Relay: ±2kV IEC 61000-4-5 (Surge), Level 3 ● Power supply: common mode ±2kV, differential mode ±1kV ● Ethernet port: common mode ±2kV, differential mode ±1kV ● Relay: common mode ±2kV, differential mode ±1kV IES2210-8T2GC-2P48:

	IEC 61000-4-2 (ESD), Level 4 ● Air discharge: ±15kV ● Contact discharge: ±8kV EN61000-4-4 (EFT), Level 4 ● Power supply: ±4kV ● Ethernet interface: ±2kV ● Relay: ±4kV IEC 61000-4-5 (Surge), Level 4 ● Power supply: common mode ±4kV, differential mode ±2kV ● Ethernet port: common mode ±4kV, differential mode ±2kV ● Relay: common mode ±4kV, differential mode ±2kV 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 Combo	100M Copper Port	100M POE Copper Port	Power Supply	PoE Power
IES2210-8T2GC-2P48	2	8	-	12~48VDC dual power supply	-
IES2210-8T2GC-P220	2	8	-	85~264VAC single power supply	-
IES2210-8P2GC-2P24-120W	2	-	8	24VDC dual power supply	120W
IES2210-8P2GC-2P48-240W	2	-	8	48VDC dual power supply	240W

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