3onedata
Reliable Connections



IES2305 Series

DIN-Rail Mounting

Unmanaged Industrial PoE/Non-PoE Ethernet Switch

- Support 5 optional Gigabit PoE/Non-PoE fiber/copper ports
- Single PoE port can provide up to 30W output power
- PoE product supports 48VDC POE power supply input
- Non-PoE product supports optional 100~240VAC/12~48VDC power supply input
- Support -40~75℃ wide operating temperature range

CONNECTING FOR A BETTER FUTURE

3onedata Co.,Ltd.

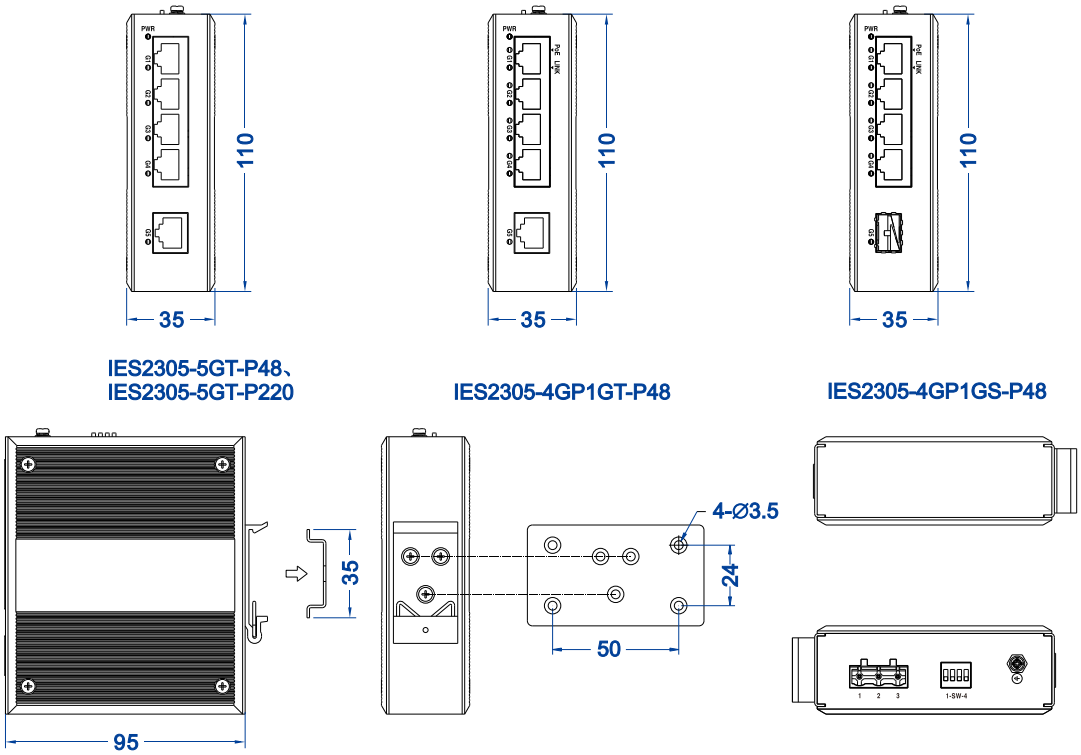
Introduction

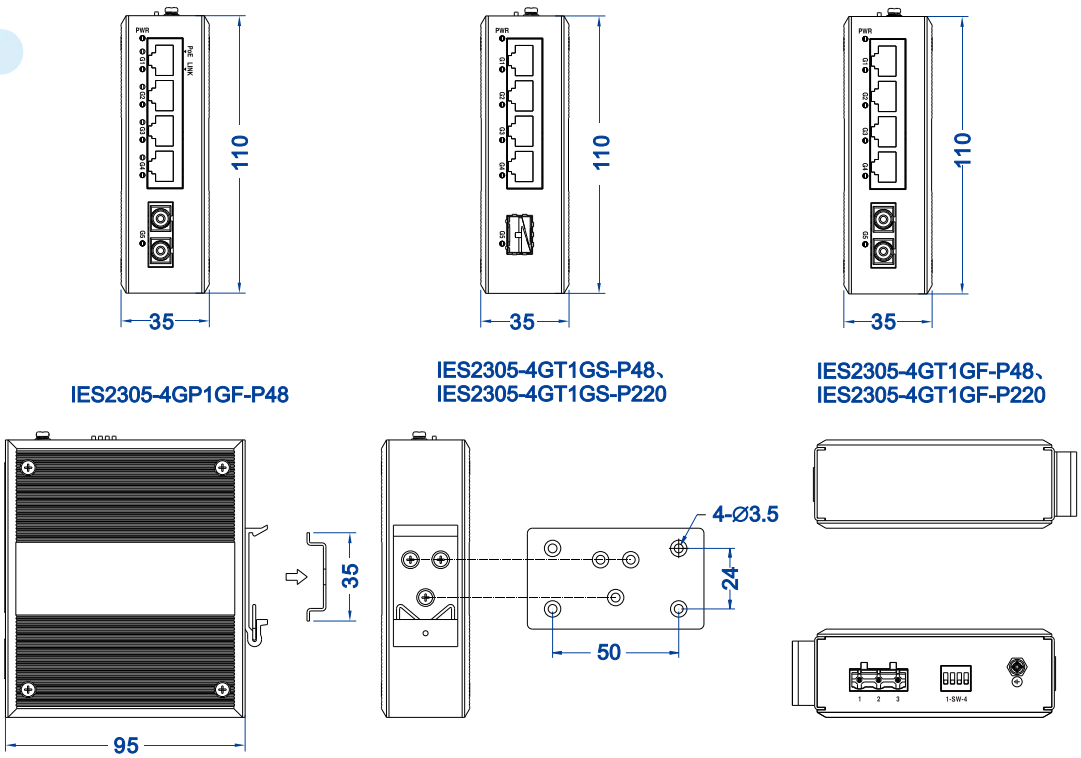
IES2305 series are 5-port unmanaged industrial PoE/Non-PoE Ethernet switches. This series provide 9 products to choose from and support Gigabit fiber ports, Gigabit copper ports, Gigabit PoE copper ports and Gigabit SFP, as well as multiple power supply schemes, 100~240VAC, 12~48VDC and 48VDC PoE. They adopt DIN-Rail mounting to meet the requirements of different application scenes.

The DIP switch could implement functions like jumbo frame, one-key VLAN, 100M port and flow control. The hardware adopts fanless, low power consumption and wide temperature and voltage 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 smart grid, railway transportation, smart city, safe city, new energy, intelligent manufacturing and other industrial fields.

Dimension

Unit: mm





Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100BaseFX IEEE 802.3z for 1000Base-X IEEE 802.3ab for 1000Base-T IEEE 802.3x for Flow Control IEEE 802.1Q for VLAN IEEE 802.3af for PoE IEEE 802.3at for PoE+
PoE	The maximum power of PoE port: 30W The power supply pin of PoE: V+, V+, V-, V- correspond to Pin 1, 2, 3, 6
Interface	Gigabit copper port: 10/100/1000Base-T(X), RJ45, Automatic Flow Control, Full/Half Duplex Mode, MDI/MDI-X Autotunning Gigabit fiber port: 1000Base-FX, optional SC/ST/FC Gigabit SFP: 1000 Base-X SFP Gigabit POE copper port: 10/100/1000 Base-T(X) RJ45, automatic flow control, full/half duplex mode, MDI/MDI-X autotunning, POE port, output power of 15W or 30W.

Indicator	Port Indicator, Power Supply Indicator, PoE Indicator
Switch Property	MAC address: 2K Backplane bandwidth: 9.125G Transmission mode: store and forward Switch time delay: <10μs
Power Supply	Optional AC/DC power supply, 12~ 48VDC, 48VDC PoE or 100~240VAC 3-pin 7.62mm pitch terminal blocks
Power Consumption	<table><tr><th>Available Models</th><th>No-load @48VDC</th><th>Full-load @48VDC</th></tr><tr><td>IES2305-4GP1GT-P48 IES2305-4GP1GS-P48</td><td>≤1.4W</td><td>≤100.6W</td></tr></table>
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 mounting Dimension (W x H x D): 35mm×110mm×95mm Weight≤ 367g
Industrial Standard	IEC 61000-4-2 (ESD, electrostatic discharge), Level 4 ● Air discharge: ±15kV ● Contact discharge: ±8kV IEC 61000-4-4 (EFT, electrical fast transient), Level 4 ● Power supply: ±4kV ● Signal: ±2kV IEC 61000-4-5 (Surge), Level 4 ● Power supply: differential mode±2kV, common mode±4kV ● Signal: differential mode±2kV, common mode±4kV Shock: IEC 60068- 2- 27 Free fall: IEC 60068- 2- 32 Vibration: IEC 60068- 2- 6
Certification	CE, FCC, RoHS
Warranty	5 years

Ordering Information

Available Models	Gigabit Copper Port	Gigabit Fiber Port	Gigabit SFP	Gigabit PoE Copper Port	Power Supply
IES2305-5GT-P48	5	-	-	-	12~48VDC
IES2305-4GT1GF-P48	4	1	-	-	
IES2305-4GT1GS-P48	4	-	1	-	
IES2305-5GT-P220	5	-	-	-	100~240VAC
IES2305-4GT1GF-P220	4	1	-	-	
IES2305-4GT1GS-P220	4	-	1	-	
IES2305-4GP1GT-P48	1	-	-	4	48VDC PoE
IES2305-4GP1GS-P48	-	-	1	4	
IES2305-4GP1GF-P48	-	1	-	4	

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