3onedata
Reliable Connections



IES2105 Series

DIN-Rail Mounting

Unmanaged Industrial PoE/Non-PoE Ethernet Switch

- Support 5 optional 100M 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 220VAC/12~48VDC power supply input
- Support -40~75℃ wide operating temperature range

CE FC RoHS IP40

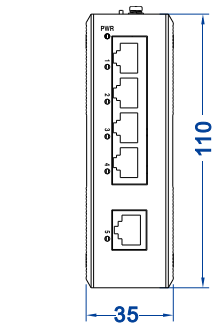
Introduction

IES2105 series are unmanaged industrial PoE/Non-PoE Ethernet switches. This series provide 8 products to choose from and support 100M copper ports, 100M fiber ports and 100M PoE copper ports, as well as multiple power supply schemes, 220VAC, 12~48VDC and 48VDC PoE. They adopt DIN-Rail mounting to meet the requirements of different application scenes.

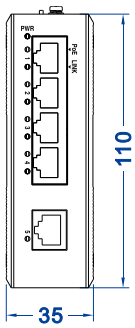
The DIP switch could implement functions like jumbo frame, one-key VLAN and flow control. The hardware adopts fanless, low power consumption and wide temperature and voltage design, which has passed rigorous industrial standard tests, and suits for the industrial scene environment with harsh requirements 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

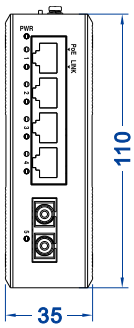
Unit: mm



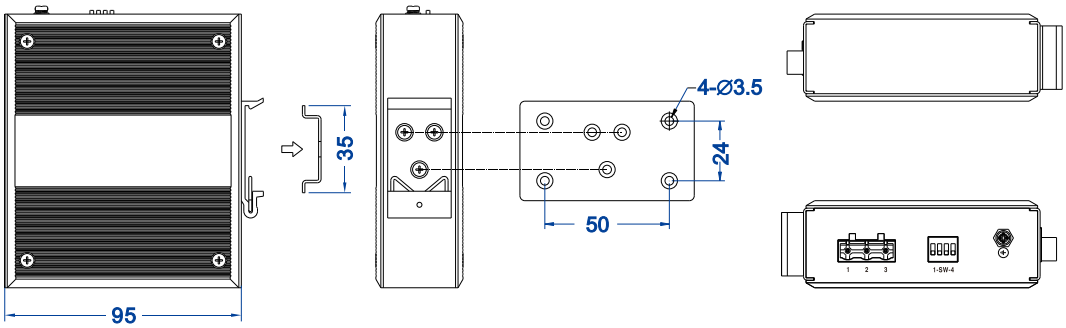
IES2105-5T-P48、
IES2105-5T-P220

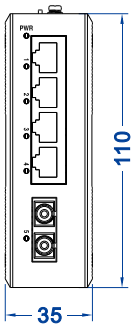


IES2105-4P1T-P48

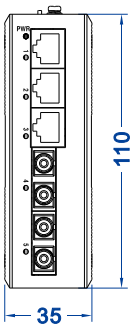


IES2105-4P1F-P48

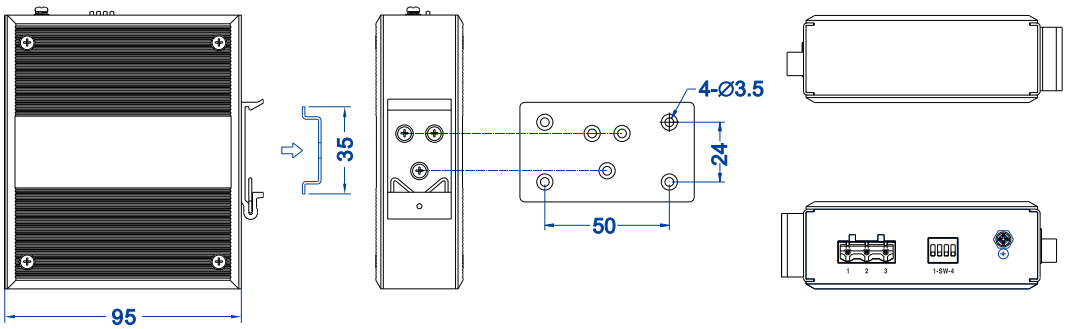




IES2105-4T1F-P48、
IES2105-4T1F-P220



IES2105-3T2F-P48、
IES2105-3T2F-P220



Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100BaseFX 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	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 100M POE copper port: 10/100Base-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: 1G Transmission mode: store and forward Switch time delay: <10μs
Power Supply	Optional AC/DC power supply, 12~ 48VDC, 48VDC PoE or 220VAC 3-pin 7.62mm pitch terminal blocks
Power Consumption	
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 ● IES2105-5T-P48, IES2105-5T-P220: 356g ● IES2105-4P1T-P48, IES2105-4P1F-P48: 384g ● IES2105-4T1F-P220: 375g ● IES2105-3T2F-P48, IES2105-3T2F-P220: 355g
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), Level 3 ● Power supply: ±2kV ● Signal: ±1kV IEC61000-4-5 (Surge), Level 3 ● Power supply: differential mode±1kV, common mode±2kV ● Signal: differential mode±1kV, common mode±2kV Shock: IEC 60068- 2- 27 Free fall: IEC 60068- 2- 32 Vibration: IEC 60068- 2- 6
Certification	CE, FCC, RoHS
Warranty	5 years

Available Models	No-load @48VDC	Full-load @48VDC
IES2105-5T-P48	≤0.96W	≤1.4W
IES2105-4P1F-P48	≤2W	≤110W

Ordering Information

Available Models	100M Copper Port	100M Fiber Port	100M PoE Port	Power Supply
IES2105-5T-P48	5	-	-	12~48VDC
IES2105-4T1F-P48	4	1	-	
IES2105-3T2F-P48	3	2	-	
IES2105-5T-P220	5	-	-	220VAC
IES2105-4T1F-P220	4	1	-	
IES2105-3T2F-P220	3	2	-	
IES2105-4P1T-P48	1	-	4	48VDC PoE
IES2105-4P1F-P48	-	1	4	

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Please scan our QR code for more details

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