



IES2105 Serie

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°C wide operating temperature range



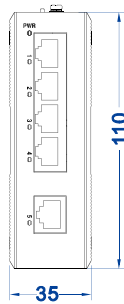
Introductio

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.

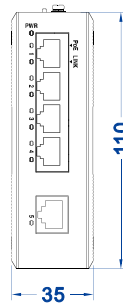
The DIP switch could implement functions like jumbo frame, one-key VLAN and flow control. The hardware adopts fanless, low power consumption and wide temperature and voltage design, which has passed rigorous industrial standard tests, and suits for the industrial scene environment with harsh requirements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

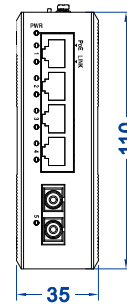
Unit: mm



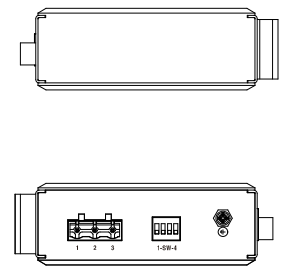
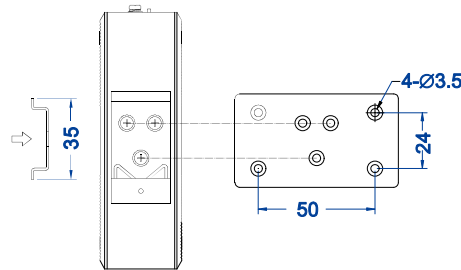
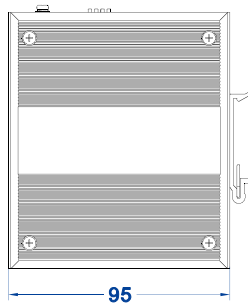
IES2105-5T-P48,
IES2105-5T-P220

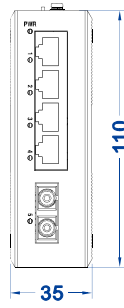


IES2105-4P1T-P48

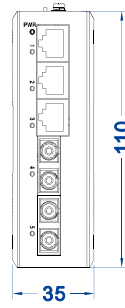


IES2105-4P1F-P48

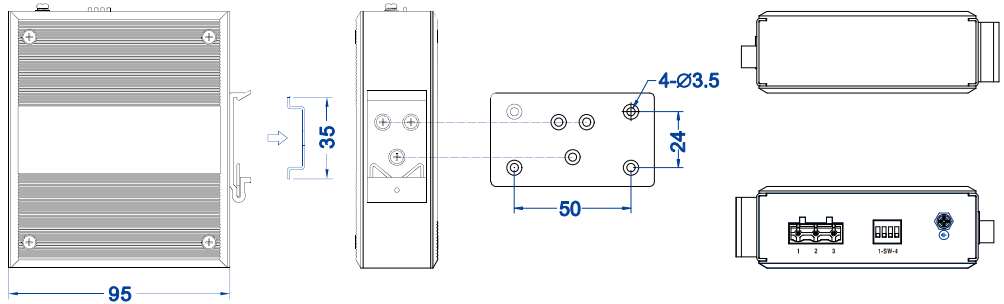




IES2105-4T1F-P48,
IES2105-4T1F-P220



IES2105-3T2F-P48,
IES2105-3T2F-P220



Specification

<p>Standard & Protocol</p>	<p>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+</p>
<p>PoE</p>	<p>The maximum power of PoE port: 30W The power supply pin of PoE: V+, V+, V-, V- correspond to Pin 1, 2, 3, 6</p>
<p>Interface</p>	<p>100M copper port: 10/100Base-T(X), RJ45, Automatic Flow Control, Full/half Duplex Mode, MDI/ MDI-X Autotuning 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 autotuning, POE port, output power of 15W or 30W.</p>
<p>Indicator</p>	<p>Port Indicator, Power Supply Indicator, PoE Indicator</p>

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	<table border="1"> <thead> <tr> <th data-bbox="732 478 959 516">Available Models</th> <th data-bbox="959 478 1182 516">No-load @48VDC</th> <th data-bbox="1182 478 1417 516">Full-load @48VDC</th> </tr> </thead> <tbody> <tr> <td data-bbox="732 516 959 554">IES2105 T-P48</td> <td data-bbox="959 516 1182 554">≤0.96W</td> <td data-bbox="1182 516 1417 554">≤1.4W</td> </tr> <tr> <td data-bbox="732 554 959 592">IES2105-4P1F-P48</td> <td data-bbox="959 554 1182 592">≤2W</td> <td data-bbox="1182 554 1417 592">≤110W</td> </tr> </tbody> </table>	Available Models	No-load @48VDC	Full-load @48VDC	IES2105 T-P48	≤0.96W	≤1.4W	IES2105-4P1F-P48	≤2W	≤110W
Available Models	No-load @48VDC	Full-load @48VDC								
IES2105 T-P48	≤0.96W	≤1.4W								
IES2105-4P1F-P48	≤2W	≤110W								
Working Environment	Operating temperature: -40~75°C Storage temperature: -40~85°C 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 <ul style="list-style-type: none"> IES2105 T-P48, IES2105- T-P220: 356g IES2105-4P1F-P48, IES2105-4P1F-P220: 384g IES2105-4T1F-P220: 375g IES2105-3T2F-P48, IES2105-3T2F-P220: 355g 									
Industrial Standard	IEC 61000-4-2 ESD, electrostatic discharge), Level 4 <ul style="list-style-type: none"> Air discharge: ±15kV Contact discharge: ±8kV IEC 61000-4-4 (EFT, electrical fast transient), Level 4 <ul style="list-style-type: none"> Power supply: ±4kV Signal: ±2kV IEC 61000-4-5 (Surge), Level 4 <ul style="list-style-type: none"> 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-									
Certification	CE, FCC, RoHS									
Warranty	5 years									



Ordering Information

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



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