



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°C wide operating temperature range



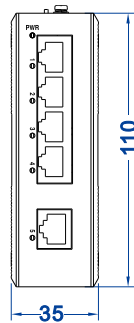
Introduction

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.

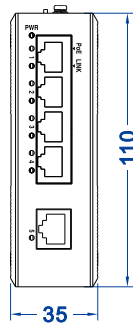
The DIP switch could implement functions like jumbo frame, one-key VLAN and flow control. The hardware adopts fanless, low power consumption and wide temperature and voltage design, which has passed rigorous industrial standard tests, and suits for the industrial scene environment with harsh requirements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

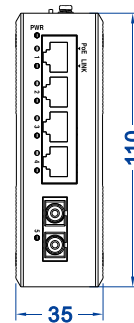
Unit: mm



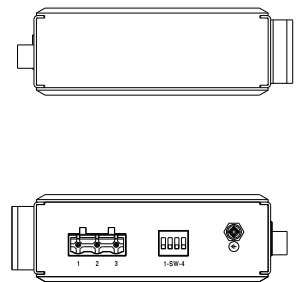
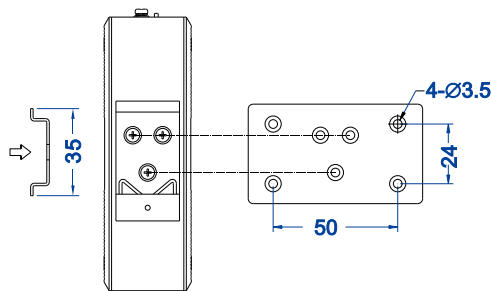
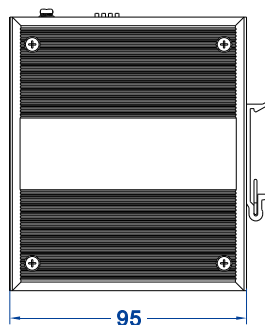
IES2105-5T-P48,
IES2105-5T-P220

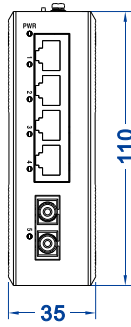


IES2105-4P1T-P48

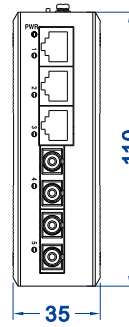


IES2105-4P1F-P48

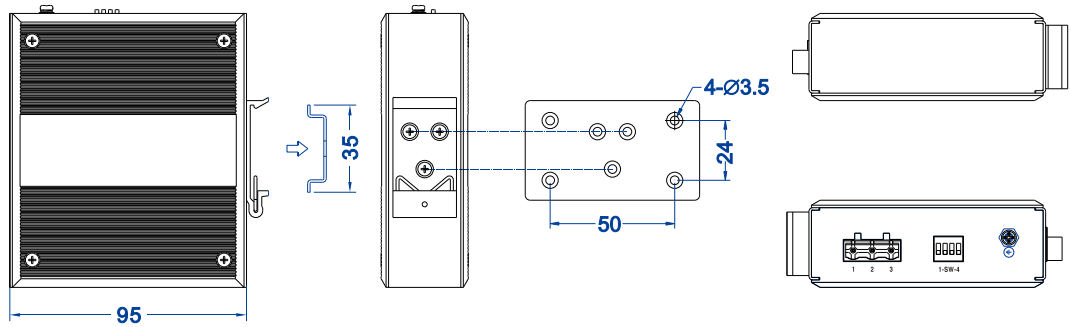




IES2105-4T1F-P48,
IES2105-4T1F-P220



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



Specification

<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	<p>MAC address: 2K</p> <p>Backplane bandwidth: 1G</p> <p>Transmission mode: store and forward</p> <p>Switch time delay: <10μs</p>
------------------------	---

Power Supply	<p>Optional AC/DC power supply, 12~ 48VDC, 48VDC PoE or 220VAC</p> <p>3-pin 7.62mm pitch terminal blocks</p>
---------------------	--

Power Consumption	<table border="1"> <thead> <tr> <th>Available Models</th> <th>No-load @48VDC</th> <th>Full-load @48VDC</th> </tr> </thead> <tbody> <tr> <td>IES2105-5T-P48</td> <td>\leq0.96W</td> <td>\leq1.4W</td> </tr> <tr> <td>IES2105-4P1F-P48</td> <td>\leq2W</td> <td>\leq110W</td> </tr> </tbody> </table>	Available Models	No-load @48VDC	Full-load @48VDC	IES2105-5T-P48	\leq 0.96W	\leq 1.4W	IES2105-4P1F-P48	\leq 2W	\leq 110W
Available Models	No-load @48VDC	Full-load @48VDC								
IES2105-5T-P48	\leq 0.96W	\leq 1.4W								
IES2105-4P1F-P48	\leq 2W	\leq 110W								

Working Environment	<p>Operating temperature: -40~75$^{\circ}$C</p> <p>Storage temperature: -40~85$^{\circ}$C</p> <p>Relative humidity: 5%~95% (no condensation)</p>
----------------------------	--

Physical Characteristic	<p>Housing: IP40 protection, metal</p> <p>Installation: DIN-Rail mounting</p> <p>Dimension (W x H x D): 35mm\times110mm\times95mm</p> <p>Weight</p> <ul style="list-style-type: none"> 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	<p>IEC 61000-4-2 (ESD, electrostatic discharge), Level 3</p> <ul style="list-style-type: none"> Air discharge: \pm 8kV Contact discharge: \pm6kV <p>IEC 61000-4-4 (EFT, electrical fast transient), Level 3</p> <ul style="list-style-type: none"> Power supply: \pm2kV Signal: \pm1kV <p>IEC61000-4-5 (Surge), Level 3</p> <ul style="list-style-type: none"> Power supply: differential mode\pm1kV, common mode\pm2kV Signal: differential mode\pm1kV, common mode\pm2kV <p>Shock: IEC 60068- 2- 27</p> <p>Free fall: IEC 60068- 2- 32</p> <p>Vibration: IEC 60068- 2- 6</p>
----------------------------	--

Certification	CE, FCC, RoHS
----------------------	---------------

Warranty	5 years
-----------------	---------

Ordering Information

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