



## IPS215 Series

DIN-Rail Mounting

5-port 100M Layer 2 Unmanaged Industrial PoE Ethernet Switch

- Support 1 100M fiber/copper port and 4 100M PoE copper ports
- The maximum power consumption of single PoE is 30W
- PoE could power device over Ethernet, thus decreasing the cable connection of powered devices
- Input power voltage 48VDC
- Support  $-40\sim 75^{\circ}\text{C}$  wide operating temperature range



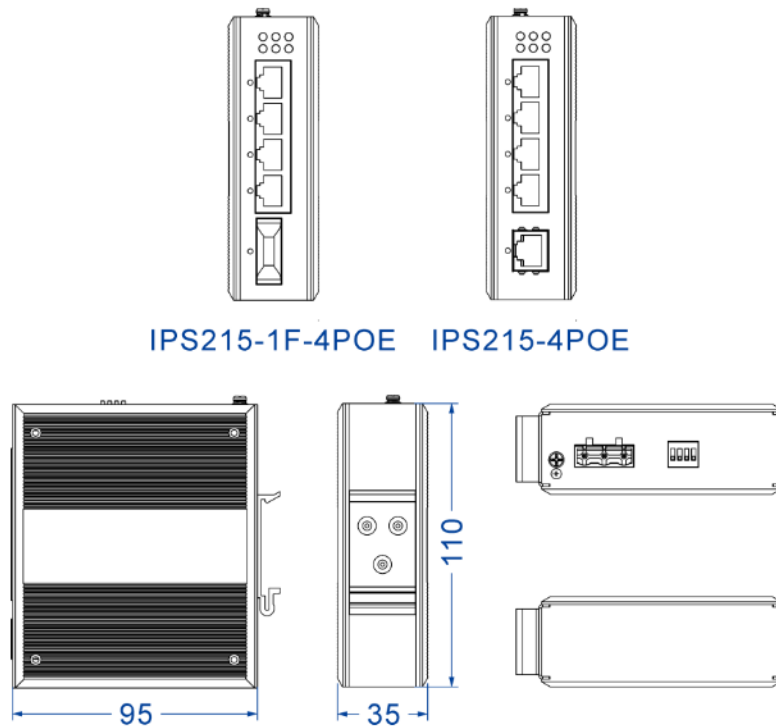
## Introduction

IPS215 Series are 5-port 100M layer 2 unmanaged industrial PoE Ethernet switches and the PoE power supply is up to the protocol standard of IEEE 802.3af/at. This series have two types of product and provide 100M copper ports, fiber ports and PoE copper ports. They adopt DIN-Rail mounting, which can meet the requirements of different scenes.

The DIP switch could implement functions like flow control, RJ45 Forced 10M and One-button VLAN, etc. 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, railway transportation, smart city, safe city, new energy, aerospace, intelligent manufacturing, military project and other industrial fields.

## Dimension

Unit:mm



# Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3x for Flow Control IEEE 802.3af for PoE IEEE 802.3at for PoE+									
PoE	The maximum power consumption of PoE port: 30W The power supply pin of PoE: V-, V-, V+, V+ correspond to Pin 1, 2, 3, 6									
Interface	Copper port: 10/100Base-T(X), RJ45, Automatic Flow Control, Full/Half Duplex Mode, MDI/MDI-X Autotuning Fiber port: 100Base-FX, SC/ST/FC optional									
LED Indicator	Running Indicator, Port Indicator, Power Supply Indicator, PoE Indicator									
Switch Property	Transmission mode: store and forward MAC address: 2K Packet buffer size: 1Mbit Backplane bandwidth: 1.6G Switch time delay: <10 $\mu$ s									
Power Requirement	48VDC(44~55VDC), 3-pin 7.62mm pitch terminal blocks reverse polarity protection									
Power Consumption	<table border="1"> <thead> <tr> <th>Model</th> <th>No-load(@48VDC)</th> <th>Full-load(@48VDC)</th> </tr> </thead> <tbody> <tr> <td>IPS215-4POE</td> <td>2.26W</td> <td>73.97W</td> </tr> <tr> <td>IPS215-1F-4POE</td> <td>2.69W</td> <td>74.06W</td> </tr> </tbody> </table>	Model	No-load(@48VDC)	Full-load(@48VDC)	IPS215-4POE	2.26W	73.97W	IPS215-1F-4POE	2.69W	74.06W
Model	No-load(@48VDC)	Full-load(@48VDC)								
IPS215-4POE	2.26W	73.97W								
IPS215-1F-4POE	2.69W	74.06W								
Environmental Limit	Operating temperature range: -40~75 $^{\circ}$ C Storage temperature range: -40~85 $^{\circ}$ C Relative humidity: 5% ~ 95% (no condensation)									
Physical Characteristic	Housing: IP40 protection, metal Installation: DIN-Rail mounting Dimension (W x H x D): 35mm $\times$ 110mm $\times$ 95mm Weight: $\leq$ 370g									
Industrial Standard	IEC 61000-4-2 (ESD), Level 3 <ul style="list-style-type: none"> <li>Air discharge: <math>\pm</math>8kV</li> <li>Contact discharge: <math>\pm</math>6kV</li> </ul>									

EN61000-4-4 (EFT), Level 3

- Power supply:  $\pm 2\text{kV}$
- Ethernet port:  $\pm 2\text{kV}$

IEC 61000-4-5 (Surge), Level 2 (IPS215-1F-4POE)

- Power supply: common mode  $\pm 2\text{kV}$ , differential mode  $\pm 1\text{kV}$

IEC 61000-4-5 (Surge), Level 3 (IPS215-4POE)

- Power supply: common mode  $\pm 2\text{kV}$ , differential mode  $\pm 1\text{kV}$
- Ethernet port:  $\pm 4\text{kV}$

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	100M Fiber Port	100M Copper Port	100M POE Copper Port	Power Supply
IPS215-4POE	-	1	4	48VDC
IPS215-1F-4POE	1	-	4	



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