



## IES215 Series

DIN-Rail Mounting

5-port 100M Unmanaged Industrial Ethernet Switch

- Support 5 100M fiber/copper ports
- Support flow control, which can avoid packet loss caused by network congestion
- Support 12~48VDC or 100~240VAC/DC power supply input (optional)
- Support -40~75°C wide operating temperature range



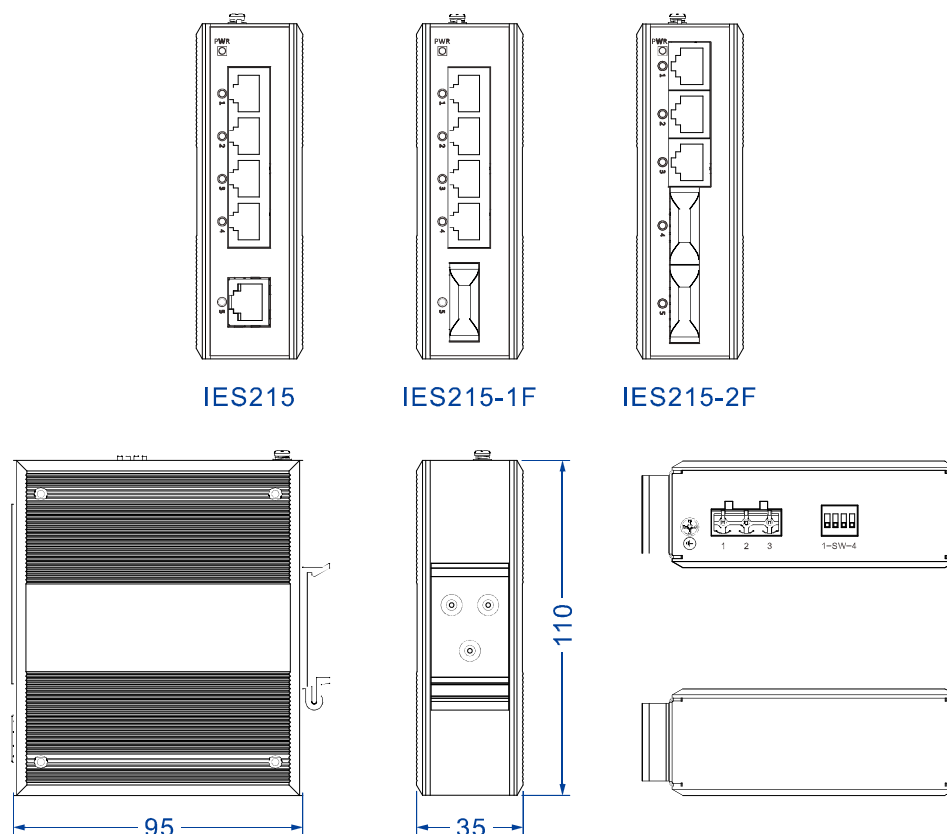
## Introduction

IES215 series are 5-port 100M unmanaged industrial Ethernet switches. This series provide 6 products to choose from and support 100M Ethernet copper ports and fiber ports, as well as two power supply schemes, 12~48VDC and 100~240VAC/DC. They adopt DIN-Rail mounting to meet the requirements of different application scenes.

DIP switch can achieve device flow control and copper port 10M rate control. 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, rail transit, smart city, safety city, new energy, aerospace, intelligent manufacturing, military project and other industrial fields.

## Dimension

Unit:mm



## Specification

<b>Standard &amp; Protocol</b>	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3x for Flow Control																					
<b>Interface</b>	Copper port: 10/100Base-T(X), RJ45, Automatic Flow Control, Full/half Duplex Mode, MDI/MDI-X Autotuning Optical port: 100Base-FX, optional SC/ST/FC																					
<b>Indicator</b>	Interface indicator, Power indicator																					
<b>Switch Property</b>	Transmission mode: store and forward MAC address: 2K Packet buffer size: 1Mbit Backplane bandwidth: 1.6G Switch time delay: <10μs																					
<b>Power supply</b>	DC products <ul style="list-style-type: none"> <li>Voltage range: 12~48VDC.</li> <li>Connection mode: 3-pin 7.62mm pitch terminal blocks</li> <li>Connection protection: non-polarity</li> </ul> AC products <ul style="list-style-type: none"> <li>Power supply range: 100~240VAC/DC.</li> <li>Connection mode: 3-pin 7.62mm pitch terminal blocks</li> </ul>																					
<b>Power consumption</b>	<table border="1"> <thead> <tr> <th>Available Models</th> <th>No-load</th> <th>Full-load</th> </tr> </thead> <tbody> <tr> <td>IES215-P(12~48VDC)</td> <td>0.79W@24VDC</td> <td>2.18W@24VDC</td> </tr> <tr> <td>IES215-1F-P(12~48VDC)</td> <td>2.45W@24VDC</td> <td>3.48W@24VDC</td> </tr> <tr> <td>IES215-2F-P(12~48VDC)</td> <td>2.40W@24VDC</td> <td>3.12W@24VDC</td> </tr> <tr> <td>IES215-P(100~240VAC)</td> <td>0.8W@220VAC</td> <td>2.4W@220VAC</td> </tr> <tr> <td>IES215-1F-P(100~240VAC)</td> <td>1.6W@220VAC</td> <td>2.3W@220VAC</td> </tr> <tr> <td>IES215-2F-P(100~240VAC)</td> <td>2.6W@220VAC</td> <td>3.7W@220VAC</td> </tr> </tbody> </table>	Available Models	No-load	Full-load	IES215-P(12~48VDC)	0.79W@24VDC	2.18W@24VDC	IES215-1F-P(12~48VDC)	2.45W@24VDC	3.48W@24VDC	IES215-2F-P(12~48VDC)	2.40W@24VDC	3.12W@24VDC	IES215-P(100~240VAC)	0.8W@220VAC	2.4W@220VAC	IES215-1F-P(100~240VAC)	1.6W@220VAC	2.3W@220VAC	IES215-2F-P(100~240VAC)	2.6W@220VAC	3.7W@220VAC
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<b>Working environment</b>	Operating temperature: -40~75°C Storage temperature:-40~85°C Relative humidity: 5%~95%(no condensation)																					
<b>Physical Characteristic</b>	Housing: IP40 protection, metal Installation: DIN-Rail mounting Dimension (W x H x D): 35mm×110mm×95mm Weight: ≤360g																					
<b>Industrial Standard</b>	IEC 61000-4-2 (ESD, electrostatic discharge), Level 3 <ul style="list-style-type: none"> <li>Air discharge: ±8kV</li> <li>Contact discharge: ±6kV</li> </ul>																					

	<p>IEC 61000-4-4 (EFT, electrical fast transient pulses), Level 3</p> <ul style="list-style-type: none"><li>• Power supply: <math>\pm 2\text{kV}</math></li><li>• Ethernet port: <math>\pm 1\text{kV}</math></li></ul> <p>IEC 61000-4-5 (Surge), Level 3</p> <ul style="list-style-type: none"><li>• Power supply: common mode <math>\pm 2\text{kV}</math>, differential mode <math>\pm 1\text{kV}</math></li><li>• Ethernet port: <math>\pm 2\text{kV}</math></li></ul> <p>Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6</p>
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**Certification** CE, FCC, RoHS, UL61010

**Warranty** 5 years



## Ordering Information

Available Models	100M Fiber Port	100M Copper Port	Power Supply
IES215-P(12~48VDC)	—	5	12~48VDC
IES215-1F-P(12~48VDC)	1	4	
IES215-2F-P(12~48VDC)	2	3	
IES215-P(100~240VAC)	—	5	100~240VAC/DC
IES215-1F-P(100~240VAC)	1	4	
IES215-2F-P(100~240VAC)	2	3	



Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Song Bai Road, Nanshan District, Shenzhen, 518108, China

TEL.: +86-755-26702668 ext 835 FAX: +86-755-26703485

E-mail: [ics@3onedata.com](mailto:ics@3onedata.com)

Website: [www.3onedata.com](http://www.3onedata.com)

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