3onedata
Make network communication more reliable

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℃ wide operating temperature range

Industrial Grade

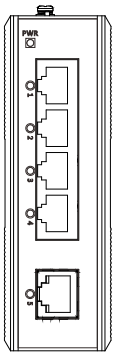
Introduction

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.

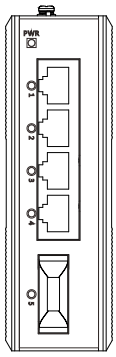
DIP switch can achieve device flow control and copper port 10M rate control. Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC. It can be widely used in smart grid, rail transit, smart city, safety city, new energy, intelligent manufacturing and other industrial fields.

Dimension

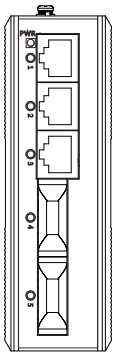
Unit:mm



IES215



IES215-1F



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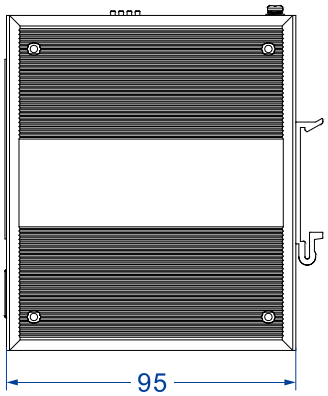

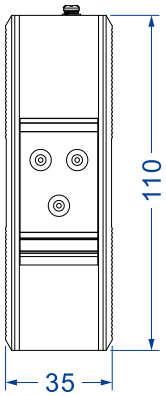

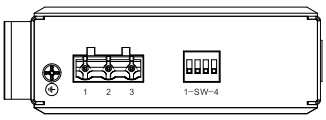

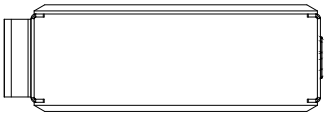

Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3x for Flow Control
Interface	Copper port: 10/100Base-T(X), RJ45, Automatic Flow Control, Full/half Duplex Mode Self-adaption, MDI/MDI-X Autotunning Optical port: 100Base-FX, optional SC/ST/FC
Indicator	Interface indicator, Power indicator
Switch Property	Transmission mode: store and forward MAC address: 2K Packet buffer size: 1Mbit Backplane bandwidth: 1.6G Switch time delay: <10μs
Power supply	DC products ● Voltage range: 12~48VDC. ● Connection mode: 3-pin 7.62mm pitch terminal blocks ● Connection protection: non-polarity AC products ● Power supply range: 100~240VAC/DC. ● Connection mode: 3-pin 7.62mm pitch terminal blocks

Power consumption

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

Working environment	Operating temperature: -40~75℃ Storage temperature: -40~85℃ Relative humidity: 5%～95%(no condensation)
Physical Characteristic	Housing: IP40 protection, high-intensity corrugated metal Installation: DIN-Rail mounting Dimension (W x H x D): 35mm×110mm×95mm Weight: ≤360g
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 pulses), Level 3 ● Power supply: ±2kV ● Ethernet port: ±1kV IEC 61000-4-5 (Surge), Level 3 ● Power supply: common mode±2kV, differential mode±1kV ● Ethernet port: ±2kV Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
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	

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