3onedata
Make network communication more reliable

IES3016 Series

DIN-Rail Mounting

16-port 100M Layer 2 Unmanaged Industrial Ethernet Switch

- Support 8 100M copper ports, 8 100M fiber and copper ports optional
- Support dual power supply input, input voltage: 12~48VDC; AC input voltage:100~240VAC/DC
- Support -40~75℃ wide operating temperature range

Industrial Grade

RPS

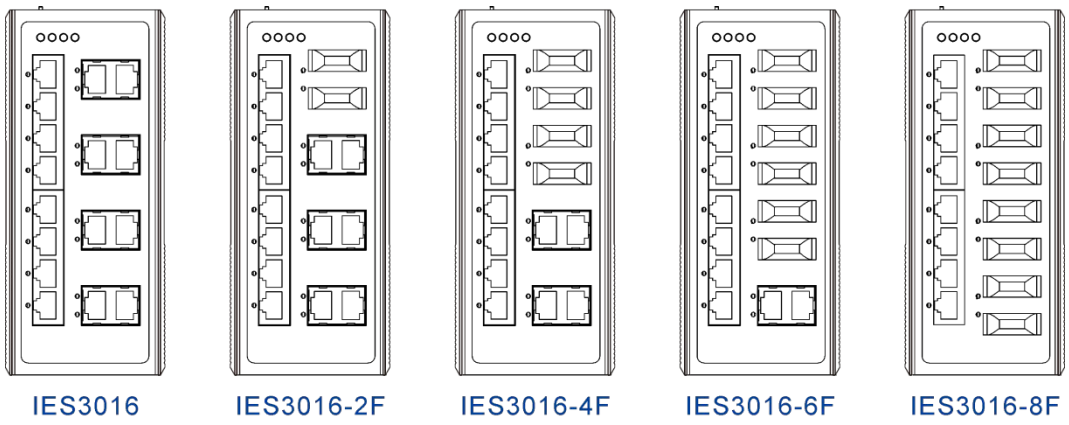
Introduction

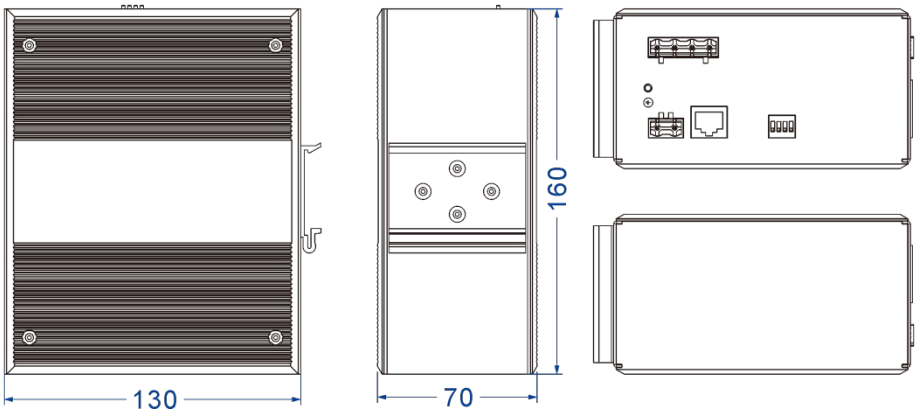
IES3016 series are 16-port 100M layer 2 unmanaged industrial Ethernet switches. This series include five types of products and provide 100M copper ports, 100M fiber ports. It adopts DIN-Rail mounting to meet the requirements of different application scenes.

Power supply input is two independent power supply circuits, which can ensure the device normal operation when one of the power supplies breaks down. DIP switch can achieve power supply alarm, flow control and storm suppression. When power supply occurs link failure, ALARM indicator will be bright and send out alarm, meanwhile, alarm device connected to the relay will send out alarm for rapid scene troubleshooting. 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





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 Fiber port: 100Base-FX, SC/ST/FC optional Alarm port: 2-pin 7.62mm pitch terminal blocks, support 1 relay alarm output, current carrying capacity 5A@30VDC or 10A@125VAC
LED Indicator	Running Indicator, Port Indicator, Power Supply Indicator, Alarm Indicator
Switch Property	Transmission mode: store and forward MAC address: 8K Packet buffer size: 3Mbit Backplane bandwidth: 12.8G Switch time delay: < 10μs
Power Requirement	DC Power Supply: 12~48VDC, 4-pin 7.62mm pitch terminal blocks Dual power supply redundancy, reverse polarity protection, nonpolarity Support 4A overcurrent protection AC Power Supply: 100~240VAC/DC, 4-pin 7.62mm pitch terminal blocks Support reverse polarity protection
Power Consumption	
Environmental Limit	Operating temperature range: -40~75℃ Storage temperature range: -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): 70mm×160mm×130mm

Model	No-load	Full-load
IES3016	4.82W@24VDC	7.30W@24VDC
IES3016-2F	6.12W@24VDC	8.33W@24VDC
IES3016-4F	7.66W@24VDC	9.29W@24VDC
IES3016-6F	8.78W@24VDC	10.49W@24VDC
IES3016-8F	10.18W@24VDC	12.26W@24VDC
IES3016-4F	7.66W@220VAC	9.29W@220VAC

Industrial Standard	IEC 61000-4-2 (ESD), Level 4 ● Air discharge: ±15kV ● Contact discharge: ±8kV IEC 61000-4-4 (EFT), Level 4 ● Power supply: ±4kV ● Ethernet interface: ±2kV ● Relay: ±4kV IEC 61000-4-5 (Surge), Level 3 ● Power supply: common mode ±2kV, differential mode ±1kV ● Ethernet interface: ±2kV ● Relay: common mode ±2kV, differential mode ±1kV 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 Range
IES3016	-	16	12~48VDC dual power supply
IES3016-2F	2	14	
IES3016-4F	4	12	
IES3016-6F	6	10	
IES3016-8F	8	8	
IES3016-4F	4	12	100~240VAC/DC

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