


Item	Industrial Gigabit Ethernet Switch
Model No.	IES3016
Description	16 x 10/100/1000Base-T
	

Overview

The IES3016 is a high performance and cost-effective industrial un-managed switch that meets the high reliability requirements of industrial network operations.

The IES3016 Industrial Gigabit Ethernet Switch is designed to stand up to extreme temperature, surges, vibrations, and shocks found in industrial automation, government, military, oil & gas, mining and outdoor applications, such as traffic management, oil and gas pipelines.

The IES3016 series enables real-time deterministic network operation, requires no configuration and will instantly operate as soon as you power it up. Additionally, they can be installed by DIN-rail or wall-mounted, allowing users to deploy any mix of network conversions required.

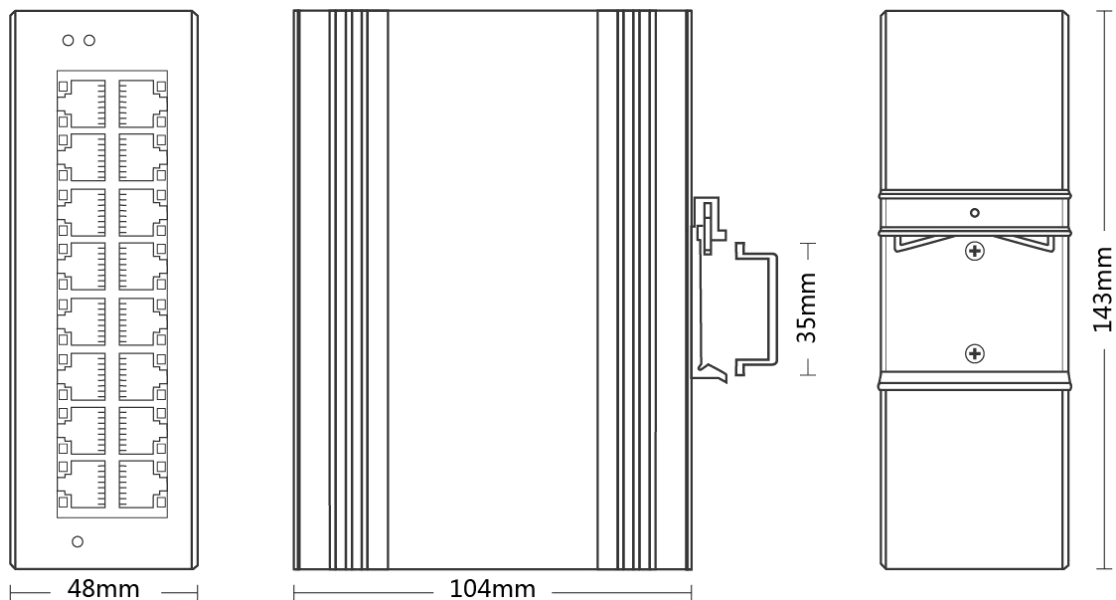
Features

- Provide 16 x 10/100/1000Base-T
- RJ45 support auto MDI/MDI-X function
- Auto-negotiation speed, half/full-duplex
- Store-and-forward
- Max packet size: 10K bytes
- Wide-range redundant power design (12~58VDC)
- Support wide operating temperature (-40 °C ~ +85 °C)
- Power polarity reverse protect

- Overload current resettable fuse present
- IP-40 protection
- Provides EFT protection for Power line
- Support Ethernet ESD protection
- DIN-Rail and Wall-Mounted Installation
- Low power consumption

Structure

unit : (mm)



Technical Specifications

Standards	IEEE802.3 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T
Performance	Processing Type : Store and Forward MAC Table Size: 16k Buffer Space: 4Mbit Switching Capacity: 32G Packet Forwarding Rate: 23.8Mpps Time Delay: <20 μ s Jumbo Frame: 10KBytes MTBF > 2M h. (@ 25 °C)
Copper Port	Data Rate: 10/100/1000M Connector: RJ45 x 16 Distance: 100m
LED indicators	PWR: ON=Power Connected Link/AC: ON=Copper Connected; Active= Data Transmitting
Power	Input Voltage: 12~58 VDC, redundant power inputs Power Consumption: <6W Protection: Overload Current; Reverse Polarity Connector: Terminal Block
Environment	Operating Temperature: -40 °C ~ +85 °C Storage Temperature: -40 °C ~ +95 °C Relative humidity: 5-95% (no condensation)
Physical Characteristics	Housing: IP40 Protection, Aluminum Alloy Installation: DIN-Rail , Wall-Mounted Dimension: 143*104*45mm(device) Weight: 0.57kg(device)

Standards and Certifications

EMC	CE
EMI	FCC Part 15 CLASS A
EMS	IEC 61000-4-2 Level 4 (8K/15K)
	IEC 61000-4-3 Level 3 (10V/m)
	IEC 61000-4-4 Level 3 (1V/2V)
	IEC 61000-4-5 Level 3 (4KV/2KV)
	IEC 61000-4-6 Level 3 (10V/m)
	IEC 61000-4-8 Level 4 (30A/m)
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32 0.5m
Vibration	IEC 60068-2-6
Railway Traffic	EN50121-4

Order Information

Model No.	Description
IES3016	10/100/1000M 16GE
Note: 1. Power supply provided by user or ordered additionally	