

IES1204-SFP

Industrial Ethernet Switch

4x10/100Base-TX to 2x100Base-FX



Overview

The IES1204-SFP series is a performance and cost-effective Industrial Ethernet Switch that meet the high reliability requirements of industrial network operations. It is designed to extend the distance of a network by converting Fast Ethernet data between twisted pair cabling and multi-mode or single-mode fiber-optic cabling.

The IES1204-SFP features 2 x 1000Base-X SFP Slot and 4 x 10/100Base-TX twisted-pair port. The IES1204-SFP provides two SFP slot for any MSA-complaint pluggable 155M SFP transceivers. The twisted-pair port has 4 x RJ-45 connector with a maximum operating distance of 100m.

The IES1204-SFP Industrial Fast 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.

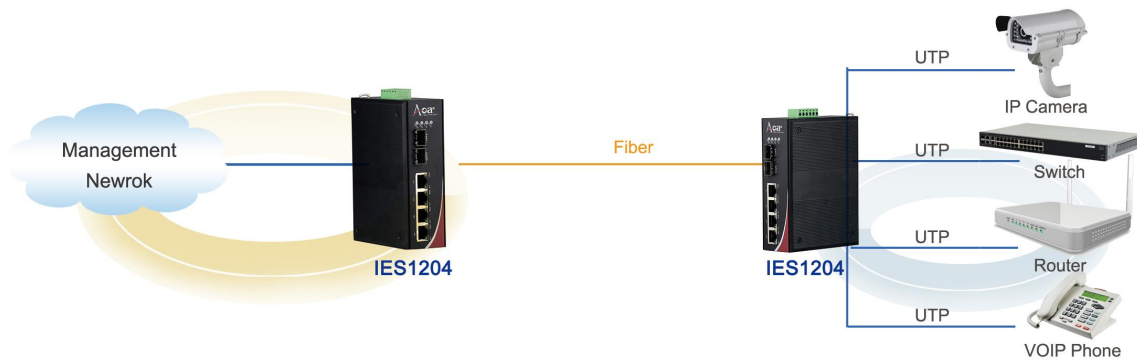
The IES1204-SFP series enables real-time deterministic network operation, requires no configuration and will instantly operate as soon as you power it up. Additionally, they can be installed by DIN-rail or wall-mounted, allowing users to deploy any mix of network conversions required.

Features

- Provide 4 x 10/100Base-T(X)
- 2 x 100Base-X SFP Slot for Daisy-Chain
- RJ45 support auto MDI/MDI-X function
- Auto-negotiation speed, half/full-duplex
- Store-and-forward
- Max packet size: 2048bytes
- Support wide operating temperature (-40 °C ~ +85 °C)
- Wide-range redundant power design (12~56VDC)
- Power polarity reverse protect

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

Applications



Technical Specifications

Standards	IEEE802.3 10BaseT IEEE802.3u 100BaseTX IEEE802.3x Flow control and back pressure IEEE802.1d Spanning Tree
Performance	Processing Type : Store and Forward Back Bandwidth: 1.2Gbps MAC Address Size: 1024bit Packet Buffer Size: 512Kbit Time Delay: <10us Frame: 2048bytes
Copper Port	Data Rate: 10/100M Connector: RJ45 x 4 Distance: 100m
Fiber Port	Data Rate: 155M Connector: SFP slot Distance: Up to SFP Transceivers
LED indicators	PWR1: ON=Power Connected PWR2: ON= Power Connected FL/A: ON=Fiber Connected; Active=Data Transmitting L/A: ON=Copper Connected; Active= Data Transmitting 100M: ON=100M; OFF=10M
Power	Input Voltage: 12~56 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 mounting, wall mounting(with optional kit) Dimension: 138*107*45mm(device); 220*175*73mm(packing) Weight: 0.48kg(device); 0.63kg(device with packing)

Order Information

Model	Description
IES1204-SFP	10/100M 2FX4FE, SFP Slot
Note: AC/DC power supply purchased separately	

Related Products

Model	Description
DIN-rail Power supply	
HDR-15-24	DIN-rail 15W, 85~264Vac input, 24V0.63A output
SFP Module	
SFP-M1513L-02I	155M MM 1310nm LC 2km DDM, Industrial Grade
SFP-S1513L-20I	155M SM 1310nm LC 20km DDM, Industrial Grade
SFP-S1535L-20I	155M SM TX1310/RX1550nm LC 20km DDM, Industrial Grade
SFP-S1553L-20I	155M SM TX1550/RX1310nm LC 20km DDM, Industrial Grade
Long distance 40/60/80/100/120km is available	
Installation Accessories	
TK12	Wall-mounted kits, 118*18*16mm, ϕ 3.5mm L=12mm
A02	Side DIN-rail mounted kits, 72.7*70*8.5mm, ϕ 3.5mm L=6mm
CK01	Rack-mounted bracket with Din-rail, 483*215*130mm



TK12 Wall-mounted kits

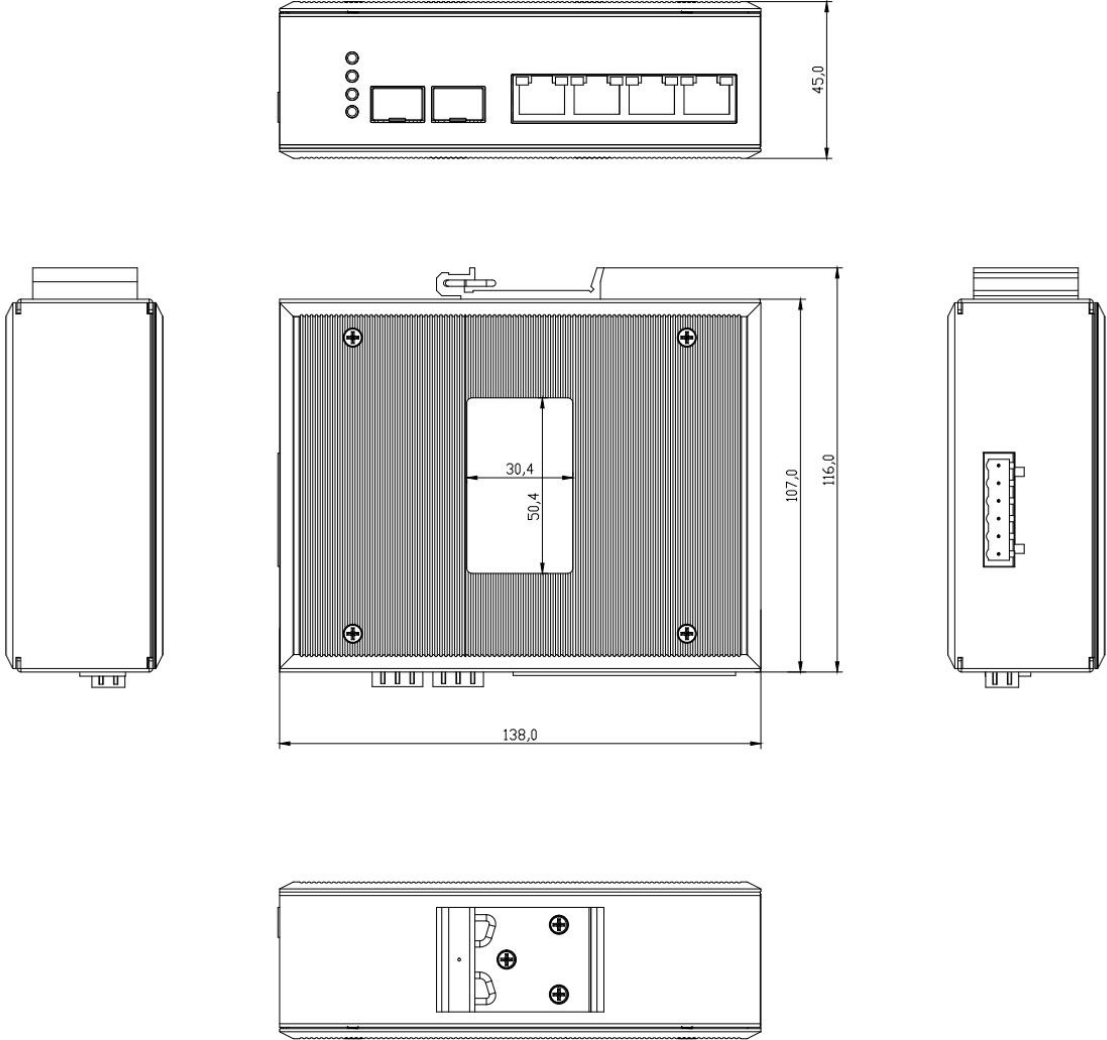


A02 Side DIN rail mounted kits



CK01 Rack-mounted bracket

Structure diagram (mm)



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