IES3208P-SFP

Industrial Ethernet Switch

8x10/100/1000Base-TX(PoE) to 2x1000Base-FX

Overview

The IES3208P-SFP Industrial POE Switch is the ideal solution for powering remote devices such as IP phones, video cameras, wireless access points, alarms, traffic controllers, sensors, and tracking devices, which are installed 100m far from a Power over Ethernet switch. In addition to transmitting data, the twisted-pair port also injects power down the cable, allowing a remote Power over Ethernet Device to operate without the need for any additional power source. All Power over Ethernet Powered Devices (IEEE 802.3af/at complaint) are supported, as the Power Sourcing Equipment (PSE) device can deliver a full 15.4W / 30W of power to the remote PD device.

The IES3208P-SFP features 2 x 1000Base-X SFP Slot and 8 x 10/100/1000Base-T twisted-pair port. The SFP slot port for any kind of MSA-compliant pluggable 1.25G SFP Transceivers. The twisted-pair port has 8 x RJ-45 connector with a maximum operating distance of 100m.

The IES3208-SFP Industrial Gigabit Ethernet Switch is designed to stand up to extreme temperatures, surges, vibrations, and shocks found in industrial automation, government, military, oil & gas, mining, and outdoor applications, such as traffic management, oil, and gas pipelines.
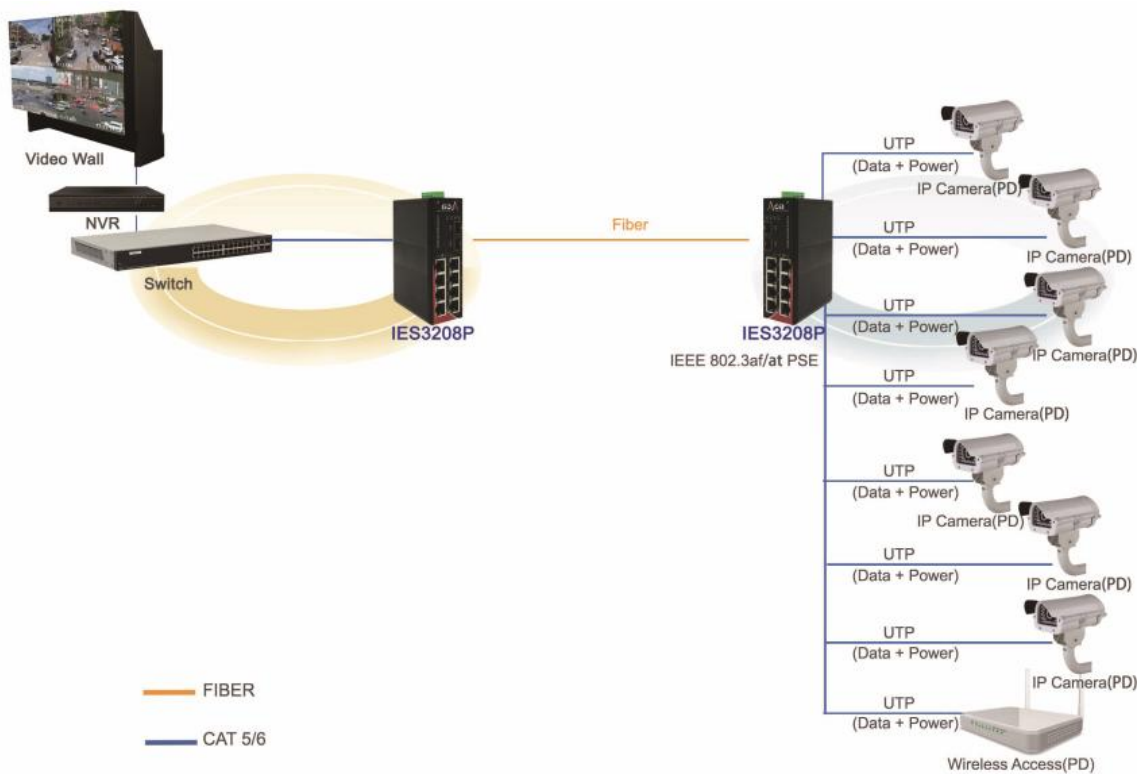
The IES3208P-SFP series enables real-time deterministic network operation, requires no configuration, and will instantly operate as soon as you power it up. Additionally, they can be installed by DIN-rail or wall-mounted, allowing users to deploy any mix of network conversions required.

Features

- Provide 8 x 10/100/1000Base-T
- 2 x 1000Base-X SFP Slot for Daisy-Chain
- IEEE803.3af/at compliant
- RJ45 supports auto MDI/MDI-X function
- Auto-negotiation speed, half/full-duplex
- Store-and-forward
- Max packet size: 10K bytes
- Support wide operating temperature (-40 ˚C ~ +85 ˚C)

- Wide-range redundant power design (48~56VDC)
- 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

Applications

Technical Specifications

Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX standards IEEE802.3x Flow control and back pressure IEEE802.1d Spanning Tree IEEE802.3af/at POE
Performance	Processing Type: Store and Forward Back Bandwidth: 20Gbps MAC Address Size: 16Kbit Packet Buffer Size: 2Mbit Time Delay: <10us Frame: 10kbytes
Copper Port	Data Rate: 10/100/1000M Connector: RJ45 x 8 Distance: 100m
Fiber Port	Data Rate: 1.25G Connector: SFP slot x 2 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 POE:　ON=POE Working; Off=No POE
Power	Input Voltage: 48~56VDC, redundant power inputs Power Consumption: ≤8W PoE Budget: 15.4Wx8=123W(PoE) 30Wx8=240W(PoE+) 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
IES3208P-SFP	10/100/1000M 2GX8GE PoE, SFP Slot
Note: AC/DC power supply purchased separately	

Related Products

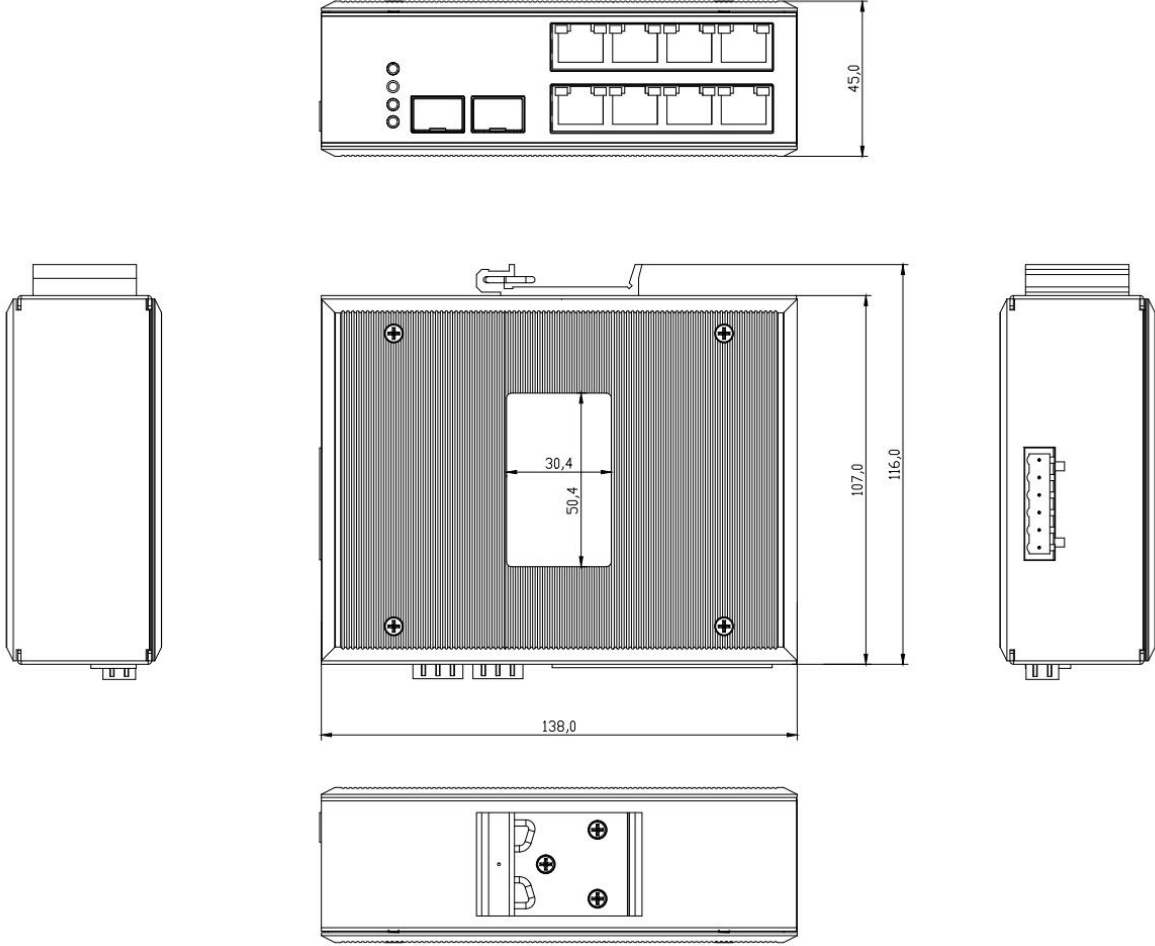| Model	Description
DIN-rail Power supply	
NDR-120-48	DIN-rail 120W, 90~264Vac input, 48~55Vdc output
NDR-240-48	DIN-rail 240W, 85~264Vac input, 24V0.63A output
SFP Module	
SFP-M1285L-05I	1.25G MM 850nm LC 550m DDM, Industrial Grade
SFP-M1213L-02I	1.25G MM 1310nm LC 2km DDM, Industrial Grade
SFP-S1213L-20I	1.25G SM 1310nm LC 20km DDM, Industrial Grade
SFP-B1235L-20I	1.25G SM TX1310/RX1550nm LC 20km DDM, Industrial Grade
SFP-B1253L-20I	1.25G 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, φ3.5mm L=12mm
A02	Side DIN-rail mounted kits, 72.7*70*8.5mm, φ3.5mm 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)

30,4

50,4

45,0

107,0

116,0

138,0