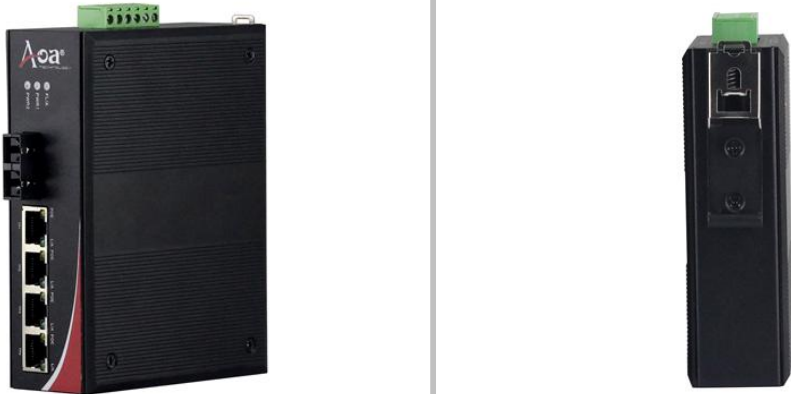


Item	Industrial POE Ethernet Switch
Series No.	IES3104P
Description	4 x 10/100/1000Base-T POE to 1000Base-X
	

Overview

The IES3104P series 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 of any additional power source. All Power over Ethernet Powered Devices (IEEE 802.3af/at compliant) are supported, as the IMC1100P series can deliver a full 15.4W / 30W of power to the remote device.

The IES3104P features 1x 1000Base-X port and 4 x 10/100/1000Base-T port. The fiber optic port features SC connector and operating distance from 550 to 120km depending on different Model. The twisted-pair port has 4x RJ-45 connector with a maximum operating distance of 100m. The IES3104P provides 1x SFP slot for any MSA-compliant pluggable 1.25G SFP Transceivers..

The IES3104P 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.

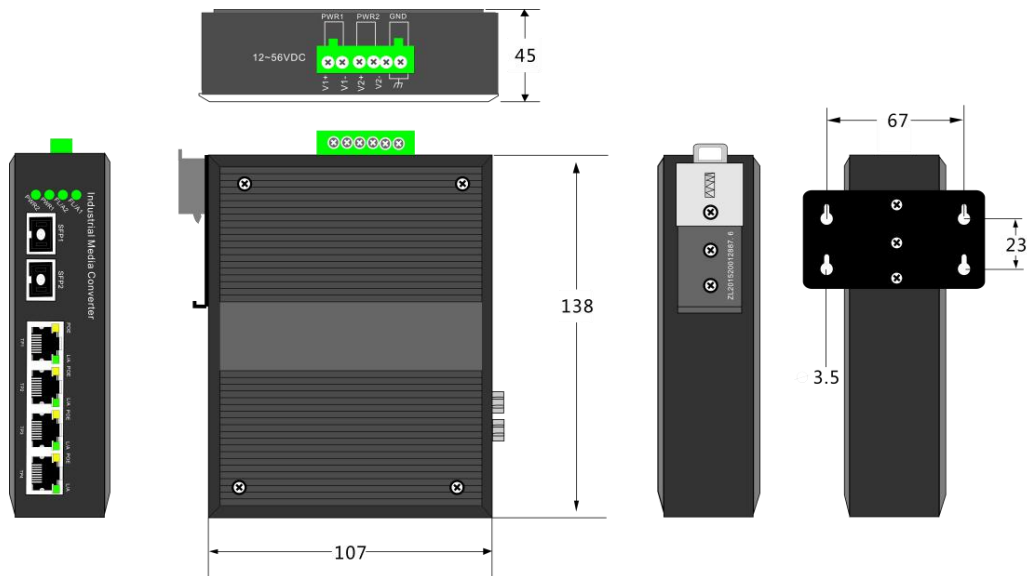
The IES3104P series enables real-time deterministic network operation, requires no configuration and will instantly operate as soon as you power it up. Additionally, they can be installed by DIN-rail or wall-mounted, allowing users to deploy any mix of network conversions required.

Features

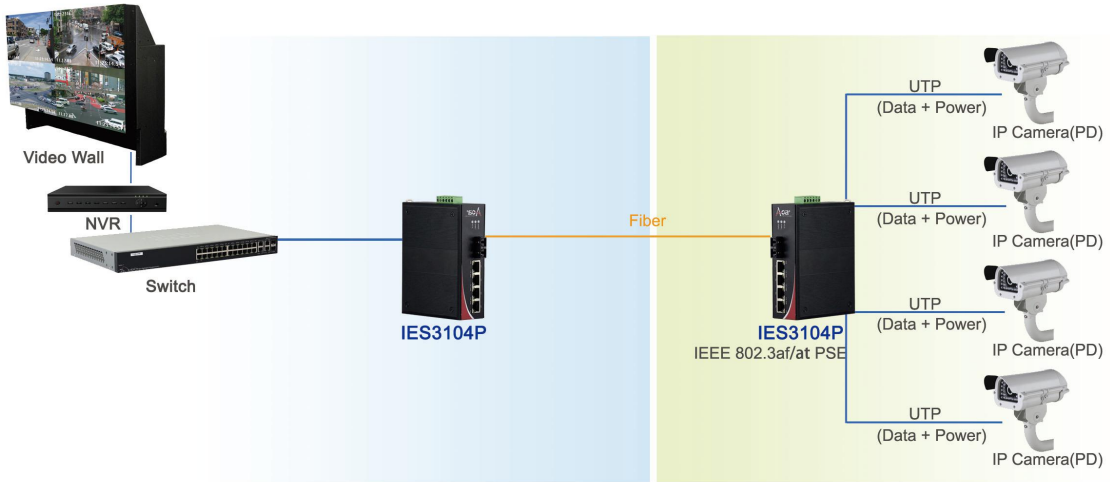
- 4 x 10/100/1000Base-T Port to 1 x 1000Base-X
- IEEE803.3af/at complaint
- 1*9 fixed fiber module or SFP slot optional
- RJ45 support auto MDI/MDI-X function
- Auto-negotiation speed, half/full-duplex
- Store-and-forward
- Max packet size: 2048bytes
- Support wide operating temperature (-40 °C ~ +85 °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

Structure

Unit: (mm)



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 IEEE8.2.3af/at POE
Performance	Processing Type : Store and Forward Back Bandwidth: 10Gbps MAC Address Size: 8Kbits Packet Buffer Size: 2Mbit Time Delay: <10us Frame: 10Kbytes
Copper Port	Data Rate: 10/100/1000M Connector: RJ45 x 4 Distance: 100m
Fiber Port	Data Rate: 1.25G Connector: SC as default, FC/ST/SFP optional Distance: MMF=550m/2km; SMF=20/40/80/100/120km Bi-Di=20/40/80/100/120km
LED indicators	PWR1: ON=Power Connected PWR2: ON= Power Connected FL/A: ON=Fiber Connected; Active=Data Transmitting TL/A: ON=Copper Connected; Active= Data Transmitting POE: ON=Power Working; Off=No Power
Power	Input Voltage: 12~56 VDC, redundant power inputs Power Consumption: ≤7W PoE Budget: 15.4Wx4=62W(PoE) 30Wx4=120W(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)

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
IES3104P-M05	10/100/1000M 1GX4GE POE,MMF 850nm,SC,550m
IES3104P-S20	10/100/1000M 1GX4GE POE,SMF,1310nm,SC,20km
IES3104P-S40	10/100/1000M 1GX4GE POE,SMF,1310nm,SC,40km
IES3104P-A20	10/100/1000M 1GX4GE POE,Bi-di TX1310/RX1550nm,SC,20km
IES3104P-B20	10/100/1000M 1GX4GE POE,Bi-di TX1550/RX1310nm,SC,20km
IES3104P-A40	10/100/1000M 1GX4GE POE,Bi-di TX1310/RX1550nm,SC,40km
IES3104P-B40	10/100/1000M 1GX4GE POE,Bi-di TX1550/RX1310nm,SC,40km
Note: 1. Power supply provided by user or ordered additionally 2. SC connector as default, FC/ST as request	