Item	Industrial POE Ethernet Switch
Series No.	IFS1400P
Description	4 x 10/100Base-TX with POE to 100Base-FX

Overview

The IFS1400P 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 complaint) are supported, as the IMC1100P series can deliver a full 15.4W / 30W of power to the remote device.

The IFS1400P features 1x 100Base-FX fiber port and 4 x 10/100Base-TX twisted-pair port. The fiber optic port features SC connector and operating distance from 2km to 120km depending on different Model. The twisted-pair port has 4 x RJ-45 connector with a maximum operating distance of 100m. The IFS1400P-F provides one SFP slot for any MSA-complaint pluggable 155M SFP transceivers.

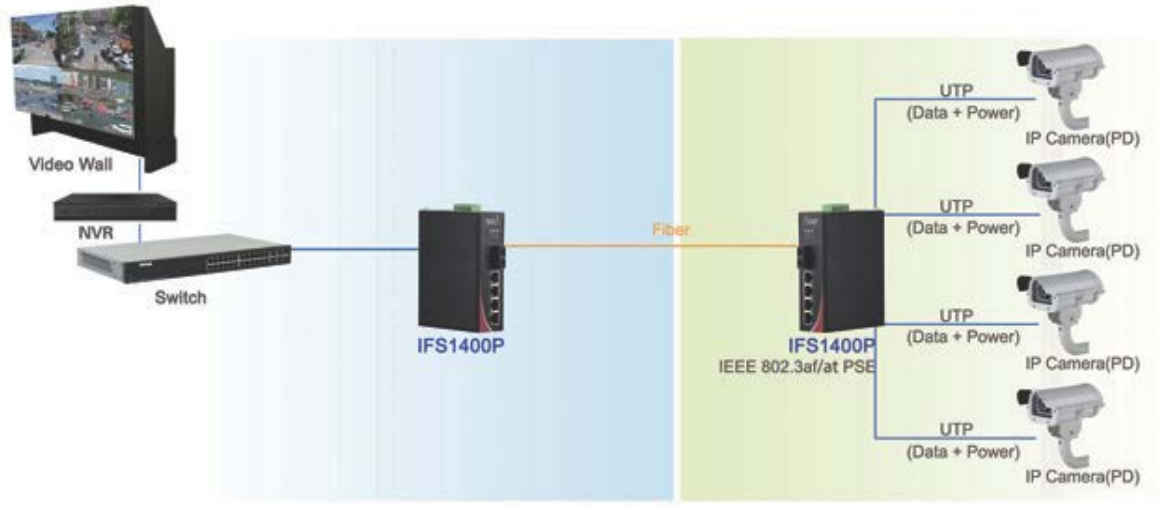
The IFS1400P Industrial Ethernet Switch is designed to stand up to extreme temperature, surges, vibrations, and shocks found in industrial automation, government, military, oil & gas, mining and outdoor applications, such as traffic management, oil and gas pipelines.

The IFS1400P 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 10/100Base-TX Port to 1 x 100Base-FX
- IEEE802.3af/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
- Wide-range redundant power design (12~56VDC)
- 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

Applications



Technical Specifications

Standards	IEEE802.3 10BaseT, IEEE802.3u 100BaseT(X) IEEE802.3x Flow control and back pressure, IEEE802.1d Spanning Tree, IEEE802.1Q VLANs IEEE802.3af/at POE
Performance	Processing Type : Store and Forward MAC Table Size: 1024bit Buffer Space: 512Kbit Back bandwidth: 1G Time Delay: ＜150μs
Copper Port	Data Rate: 10/100M Connector: RJ45 x 4 Distance: 100m
Fiber Port	Data Rate: 155M Connector: SC as default, FC/ST/SFP optional Distance: MMF=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: <5W (POE excluded) 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: 138*107*45mm Weight: 0.50kg

EMS Standards

IEC61000-4-2(ESD): +8KV (Contact Discharge), +15KV (Contact Discharge)
IEC61000-4-3(RS): 10V/M (80-1000MHZ)
IEC61000-4-4(EFT): power cables +4KV, signal cables +2KV
IEC61000-4-5(Surge): power cables +4KV CM/+ 2KV DM, signal cables + 2KV
IEC61000-4-6(RF coupling): 3V (10KHZ-150KHZ), 10V (150KHZ-80MHZ)
IEC61000-4-8(Power Frequency Magnetic Field): 100A/M COUNT 1000A/M 1S TO 3S
IEC61000-4-12/18(Damped Oscillatory Wave): 2.5KV CM, 1KV DM
IEC61000-4-10(conducted disturbances): 30A/M
IEC61000-4-16(common mode): 30V COUNT 300V，1S
IEC61000-6-2(Electromagnetic compatibility)
IEC61850-3(electrical substation)
IEEE1613 (electric power substations)
EN50121-4(Rail Traffic)

Order Information

Model No.	Description
IFS1400-F	10/100M ,SFP Slot
IFS1400-M02	10/100M MMF,1310nm,SC,2km
IFS1400-S20	10/100M SMF,1310nm,SC,20km
IFS1400-S40	10/100M SMF,1310nm,SC,40km
IFS1400-A20	10/100M Bi-di TX1310/RX1550nm,SC,20km
IFS1400-B20	10/100M Bi-di TX1550/RX1310nm,SC,20km
IFS1400-A40	10/100M Bi-di TX1310/RX1550nm,SC,40km
IFS1400-B40	10/100M 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