Item	Industrial POE Ethernet Switch
Series No.	IFS3400P
Description	4 x 10/100/1000Base-T to 1000Base-FX, POE

Overview

The IFS3400P 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 IFS3400P features 1x 1000Base-FX 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 IFS3400P provides 1x SFP slot for any MSA-complaint pluggable 1.25G SFP Transceivers..

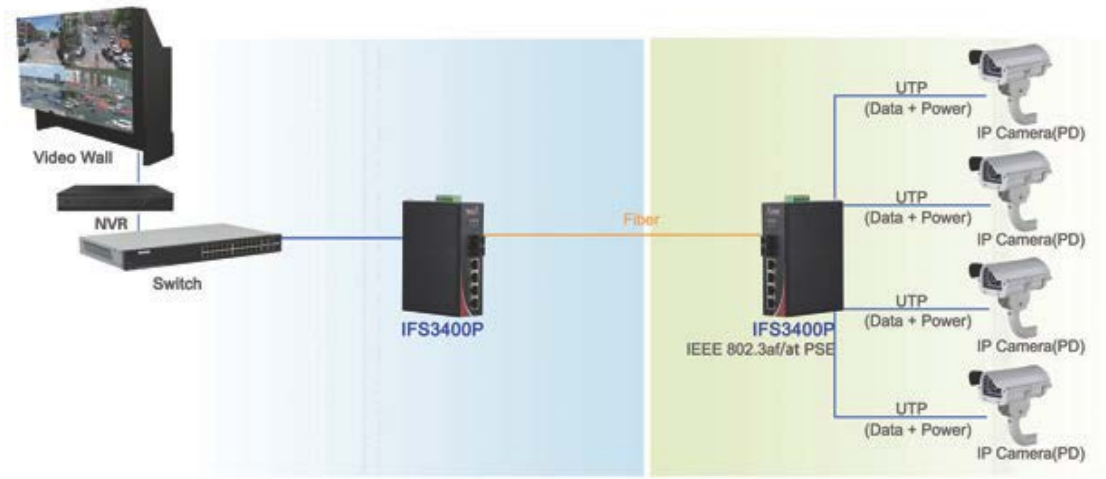
The IFS3400P Industrial Gigabit Ethernet Switch is designed to stand up to extreme temperature, surges, vibrations, and shocks found in industrial automation, government, military, oil & gas, mining and outdoor applications, such as traffic management, oil and gas pipelines.

The IFS3400P 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-FX
- 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
- 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
- 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 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, IEEE802.1Q VLANs IEEE8.2.3af/at POE
Performance	Processing Type : Store and Forward MAC Table Size: 1024bit Buffer Space: 1Mbit Back bandwidth: 12G Time Delay: ＜20μs
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: <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
IFS3400P-F	10/100/1000M ,SFP Slot
IFS3400P-M05	10/100/1000M, MMF 850nm, SC,550m
IFS3400P-M02	10/100/1000M, MMF,1310nm, SC,2km
IFS3400P-S20	10/100/1000M, SMF,1310nm,SC,20km
IFS3400P-S40	10/100/1000M SMF,1310nm,SC,40km
IFS3400P-A20	10/100/1000M Bi-di TX1310/RX1550nm,SC,20km
IFS3400P-B20	10/100/1000M Bi-di TX1550/RX1310nm,SC,20km
IFS3400P-A40	10/100/1000M Bi-di TX1310/RX1550nm,SC,40km
IFS3400P-B40	10/100/1000M 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