Industrial Ethernet Switch   IES405-F

◆ **4-port 10/100M Base-T(X) + 1-port 100Base-FX Din-Rail   Unmanaged**

➢ Features

- Support 4-port 10/100M Base-T(X) + 1-port 100Base-FX；
- Start working once connected, quick and convenient；
- Support indicator lights for states display；
- Support industrial grade power supply；
- Support power-down status relay alarm output；
- Wide temperature range design ,fanless thermal design；
- Support over Voltage, over current protection；
- Support Broadcast storm suppression；
- Satisfy harsh industrial environment；
- IP40 protection, aluminium alloy shell；

➢ Introduction

IES405-F is an unmanaged Industrial Ethernet switch with high performance, high cost-effective. It provided 4-port 10/100M Base-T(X) + 1-port 100Base-FX

It supports auto flow control, full/half duplex mode and MDI/MDI-X self-adaption. It built in standard industry design, all components are based on Industry grade, no fan, low consumption, can satisfied some kinds of requirements of industry field, to achieve high reliability.
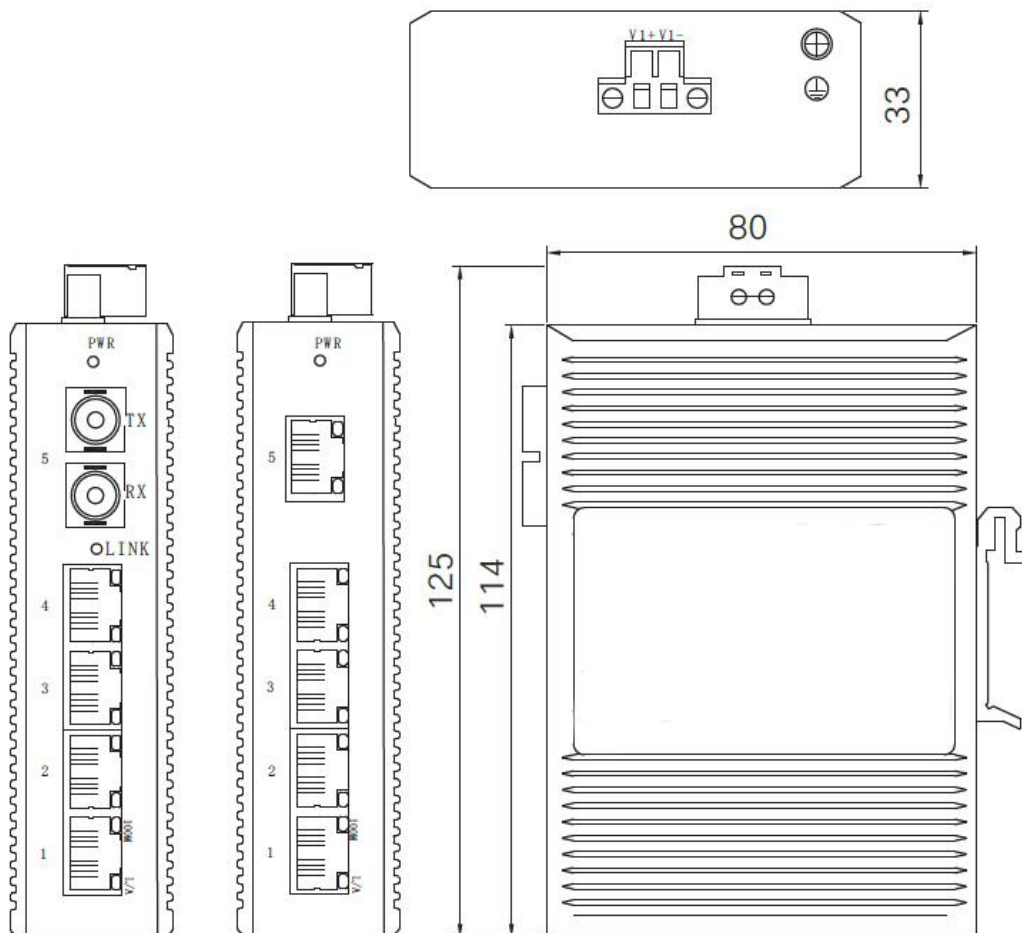
➢ Application Industries

- HD monitor transmission and power supply
- Wireless AP layout transmission and power supply
- Network telephone transmission , intelligent house and home system
- Intelligent transportation supervisory system (ITS)
- High-speed Way supervisory/Tele-Communication System
- Security protection system, TV medical treatment
- Long-distance Multi-media Schooling, Campus monitoring
- Long-distance broadcast television transmission system
- High-building Security Protection, Military Tele-Com project

➢ **Specification**

Technology	
Standard	IEEE802.3, IEEE802.3u, IEEE802.3x
Flow control	IEEE802.3x, back pressure
Electric port	10Base-T/100/1000Base-TX auto speed control
	Half/full duplex and MDI/MDI-X auto detection
100M fiber port	100Base-FX, SC/ST optional
Alarm port	terminal block, 1A@24VDC, support power-down status
Transfer distance	
Twisted cable	100M （ standard CAT5/CAT5e cable）
Multi mode fiber	1310nm, 2Km
Single mode fiber	1310nm, 20/40/60Km
	1550nm, 60/80/100/120Km
Exchange speed	148810pps
Transmit mode	store and forward
Switch Delay	＜5μs
Switch Bandwidth	1.6Gbps
MAC Table Size	1K
LED indicator	
Running status indicator	RUN
Power	PWR
Interface lights	Link/ACT, Speed (TX),Link/ACT(FX)
Power supply	
Input voltage	DC12~48V
	AC/DC220V （85-264VAC/110-370VDC）
Input method	terminal block
Power Consumption	3.7w （MAX）
Support	Over-load protection, reverse connection, Redundance
Mechanical Structure:	
Shell	IP40 protection,aluminium alloy shell
Installation	3.5-inch din-rail mounting
Size (W×H×D)	144mm×80mm×33mm
Weight	0.8kg
Working temperature	-40～85℃
Storage temperature	-40～85℃
Relative Humidity	5%~95%(no condensation)
Standard	
EMI	FCC Part 15, CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD), Level 4
Shock	IEC 60068-2-27
Free fall	IEC 60068-2-32
Shake	IEC 60068-2-6
Certification	CE, FCC, RoHS, UL508(Pending)
Warranty time	5 years

➢ Dimension

➢ Ordering Information

Model NO.	Description
IES405	5-port 10/100M Base-T(X), DC12-48V
IES405-F	4-port 10/100M Base-T(X)+1-port 100Base-FX, DC12-48V
IES405	5-port 10/100M Base-T(X), AC/DC220V
IES405-F	4-port 10/100M Base-T(X)+1-port 100Base-FX, AC/DC220V

➢ Packing List

- Industrial Ethernet Switch ×1
- User manual x 1
- Certificate of quality x 1
- Warranty card x 1