



## Industrial Ethernet Switches IES4020-2F-4GS

### ◆ 14-port 10/100M Ethernet+2-port 100Base-FX +4-port Gigabit(SFP slot) Unmanaged Switch

#### ➤ Features

- Support 14 port 10Base-T/100Base+ 2 port 100Base-FX+ 4 port 1000Base-FX SFP
- Support MAC address auto-learning, auto-aging.
- Support 8K MAC address table
- System exchange bandwidth: 11.2Gbps
- Support redundancy power supply(12~48VDC), non-polarity
- Support flow control
- Support Broadcast storm suppression
- Support 1ch relay alarm output
- Working temperature: -40℃~85℃
- DIN rail mounted
- No fan, low consumption.
- Metal shell, IP40 protection class.



#### ➤ Introduction

IES4020-2F-4GS is a unmanaged Industrial Ethernet switch with high performance, high cost-effective. It provided 14 port 10Base-T/100Base-TX Ethernet+ 2 port 100Base-FX optic fiber+ 4 port 1000Base-FX SFP slot. 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

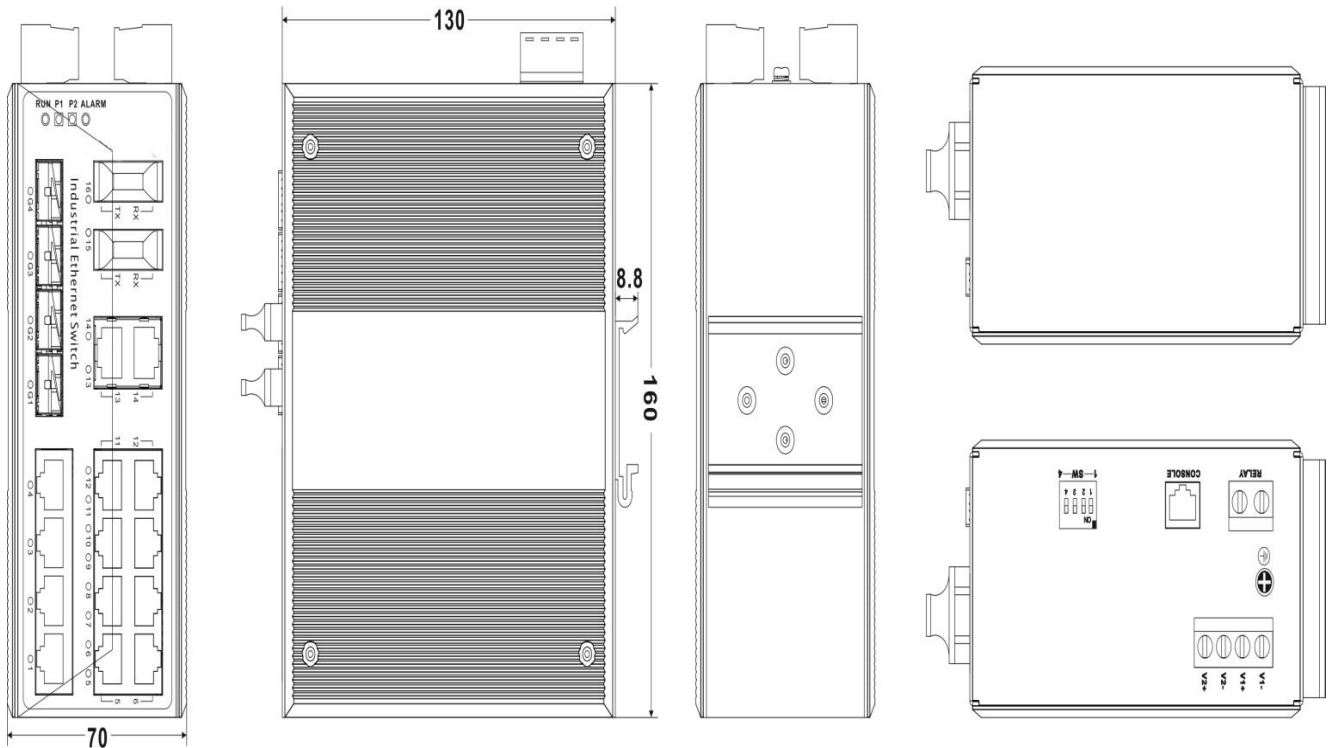
- Intelligent Transportation System
- Connection of Sub-network for Surveillance Center
- Power system applications
- High Way & Toll Station Surveillance
- Transformer Substation Communication System
- Oil of GPRS data acquisition system

#### ➤ Specification

Technology	
Standard	IEEE802.3, IEEE802.3u, IEEE802.3x
Flow control	IEEE802.3x, back pressure
Interface	
Electric port	10Base-T/100Base-TX auto speed control Half/full duplex and MDI/MDI-X auto detection
100M fiber port	100Base-FX, SC/ST optional
1000M fiber port	1000Base-FX (SFP port)
Alarm port	2bit 7.62mmTerminal block

	1 channel relay alarm output
<b>Transfer distance</b>	
Twisted cable	100M ( standard CAT5/CAT5e cable )
Multi mode fiber	1310nm, 2Km
Single mode fiber	1310nm, 20/40/60Km 1550nm, 60/80/100/120Km
<b>Exchange attribute</b>	
100M forward speed	148810pps
1000M forward speed	1488100pps
100M maximum filter speed	148810pps
1000M maximum filter speed	1488100pps
Transmit mode	store and forward
System exchange bandwidth	11.2G
MAC address table	8K
Memory	256Kbits
<b>LED indicator</b>	
Power supply indicator	P1, P2
Alarm indicator	ALARM
Running status indicator	RUN
100M port connection/running status	Link/Act(1~16)
1000M port connection/running status	Link/Act(G1~G4)
<b>Power supply</b>	
Input voltage	12~48VDC
Input method	4 bits 7.62mm terminal block
No-load consumption	5.86W@24VDC
Full-load consumption	10.63W@24VDC
<b>Support DC dual power supply redundancy</b>	
Overload current protect	4.0A(DC)
<b>Power supply support non-polarity</b>	
<b>Mechanical Structure:</b>	
Shell	IP40 protect grade, metal shell
Installation	DIN rail and wall mount
Size (W×H×D)	160mm×130mm×70mm
Weight	1016g
<b>Working environment</b>	
Working temperature	-40~85℃
Storage temperature	-40~85℃
Relative Humidity	5%~95%( no condensation)
<b>Standard</b>	
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
Warranty time	5 years
Certification	CE, FCC, RoHS, UL508(Pending)

## ➤ Dimension



## ➤ Ordering Information

Model NO.	Description
IES4020-2F-4GS (M)	14 port 10/100Base-T(X) + 2 port 100Base-FX Multi-mode SC/ST/FC+ 4 port gigabit (SFP slot), 12~48VDC
IES4020-2F-4GS (S)	14 port 10/100Base-T(X) + 2 port 100Base-FX Single-mode SC/ST/FC+4 port gigabit (SFP slot), 12~48VDC
IES4020-2F-4GS (SS)	14 port 10/100Base-T(X) + 2 port 100Base-FX single-mode, single fiber SC/ST/FC+ 4 port gigabit (SFP slot), 12~48VDC

## ➤ Packing List

- Industrial Ethernet switch IES4020-2F-4GS (plus terminal block)×1
- User manual × 1
- Certificate of quality × 1
- Warranty card × 1

