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Industrial Ethernet Switch

IES-1142P

❯ *Industrial 16-port unmanaged Ethernet switch with 14x10/100Base-T(X) and 2x100Base-FX, SFP sock*

Features

- Dual redundant DC power inputs of terminal block
- Provide 14x10/100Base-T(X) and 2x100Base-FX SFP ports
- Support auto-negotiation and auto-MDI/MDI-X
- Support store and forward transmission
- Support flow control
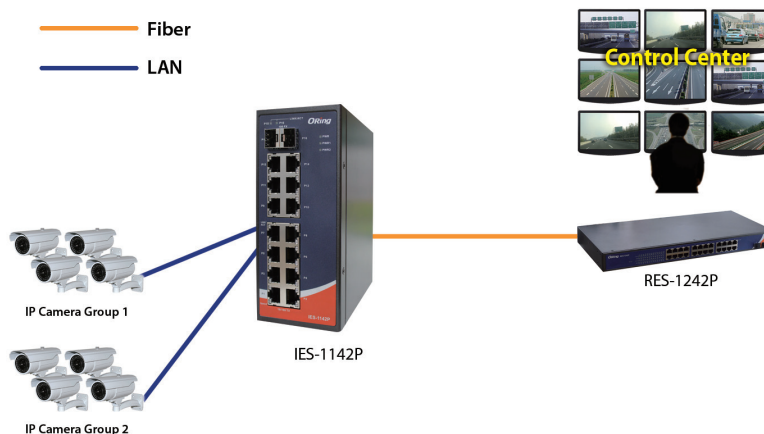- Rigid IP-30 housing design
- DIN-Rail mounting enabled

Introduction

IES-1142P is a din-rail unmanaged Ethernet switch with 14x10/100Base-T(X) and 2x100Base-FX in SFP ports. IES-1142P supports redundant power inputs. The wide operating temperature range from -40℃ to 70℃ can satisfy most of operating environments.
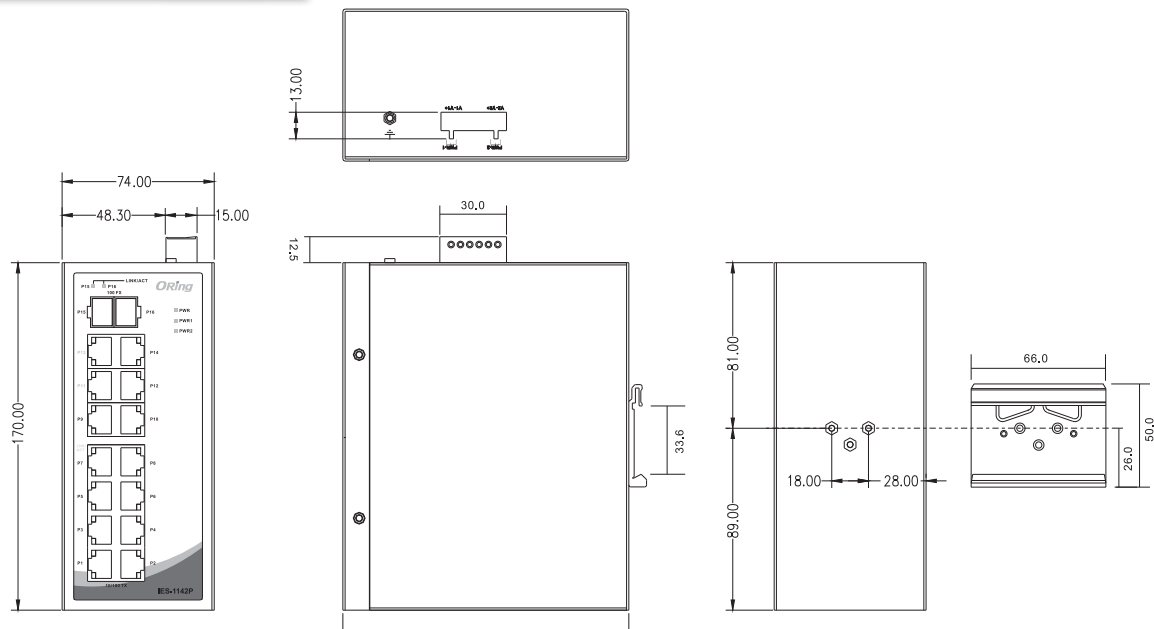
Practical Operation

IES-1142P can be used in connecting several Ethernet devices like Ethernet I/O, IP-Camera or other Ethernet switches. In addition, there are dual different power inputs to enhance its reliability to avoid interruption caused by power down. When the primary DC power input fails, the backup power input will take over immediately to guarantee a non-stop operation.

Connections of Ethernet devices

Dimensions

(Unit=mm)

Specifications

ORing Switch Model	IES-1142P
Physical Ports	
10/100Base-T(X) Ports in RJ45 Auto MDI/MDIX	14
100Base-FX SFP Ports	2
Technology	
Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3x for Flow control
MAC Table	4096
Processing	Store-and-Forward
LED Indicators	
Power indicator	Green : Power LED x 3
10/100Base-T(X) RJ45 Port Indicator	Green for port Link/Act. Amber for speed indicator – Amber for 100Mbps, Off-light for 10Mbps
100Base-FX SFP Port Indicator	Green for port Link/Act
Power	
Redundant Input Power	Dual DC inputs. 12~48VDC on 6-pin terminal block
Power Consumption (Typ.)	10 Watts
Overload Current Protection	Present
Reverse Polarity Protection	Present on terminal block
Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	74 x 140 x 170 mm (2.91 x 5.51 x 6.69 inch)
Weight (g)	1120 g
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 70°C (-40 to 158°F)

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Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
EMI	FCC Part 15, CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
Shock	IEC60068-2-27
Free Fall	IEC60068-2-32
Vibration	IEC60068-2-6
Safety	EN60950-1
MTBF (Hours)	7198000.9498
Warranty	5 years

Ordering Information

IES-1 AA B C

Code Definition	10/100Base-T(X) Port Number	Additional Port Number	Additional Port Type
Option	**- 14 :** 14 ports	**- 2 :** 2 ports	**- P :** 100Base-FX in SFP port

Available Model	Model Name	Description
	IES-1142P	Industrial 16-port unmanaged Ethernet switch with 14x10/100Base-T(X) and 2x100Base-FX, SFP socket

Packing List

- IES-1142P x 1
- Quick Installation Guide x 1
- DIN-Rail Kit x 1

Optional Accessories (Can be purchased separately)

- SFP100 series : 100Mbps SFP optical transceiver
- DR-75 series : 75 Watts DIN-Rail power supply
- DR-45 series : 45 Watts DIN-Rail power supply
- DR-120 series : 120 Watts DIN-Rail power supply