

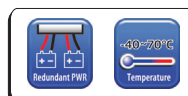
Quick Installation Guide

IES-1240

Industrial Unmanaged Switch

Introduction

IES-1240 is unmanaged Ethernet switch with 24x10/100Base-T(X) port. IES-1240 support redundant power inputs, relay output alarm, and surge protection. The wide operating temperature range from -40°C to 70°C can satisfy most of operating environments. Especially, IES-1240 features dual different redundant DC power inputs, two DC power inputs are on terminal block to avoid any unexpected fails on power on. Thus, IES-1240 could guarantee a non-stop operation. Therefore, the switch is one of the most reliable choice for highly-unmanaged Ethernet application.



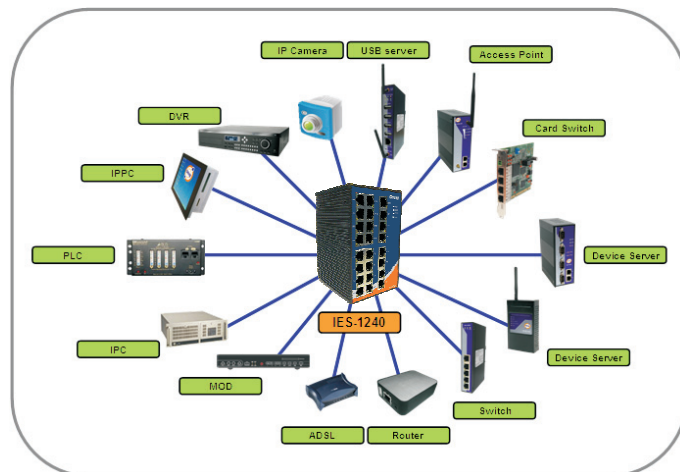
Features

- > RJ-45 port support Auto MDI/MDI-X switching function
- > Provides Store-and-Forward switching architecture
- > Provides 4.8Gbps Back-plane (Switching Fabric)
- > Warning system by relay output
- > Rigid IP-30 housing design
- > DIN-Rail and wall mounting enabled

Practical Operation

IES-1240 is usually deployed for connecting several Ethernet devices, such like Ethernet I/O, IP-Camera, etc. The designs of rugged housing and wide operating temperature, range form -40 ~ 70°C, makes IES-1240 reliably in any kinds of industrial applications.

Connections of Ethernet devices

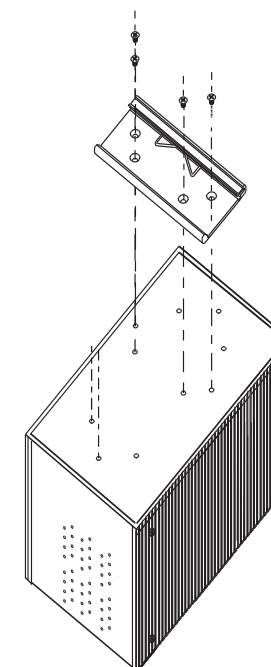


Specifications

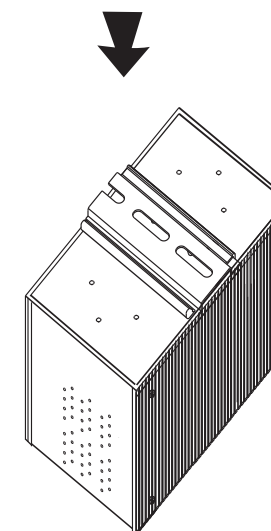
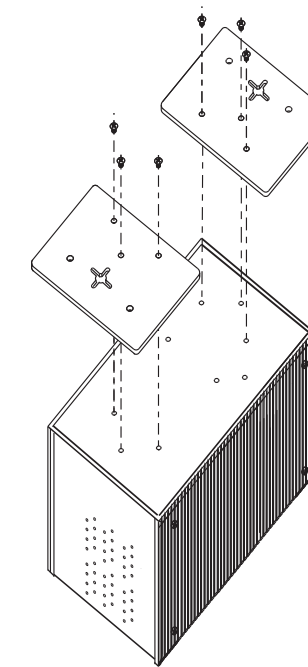
ORing Switch Model	IES-1240
Physical Ports	
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX	24
Technology	
Ethernet Standards	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX, IEEE 802.3x for Flow control
MAC Table	8192 MAC addresses
Priority Queues	4
Processing	Store-and-Forward
Switch Properties	Switch latency: 9 us Switch bandwidth: 4.8Gbps
LED indicators	
Power Indicator	Green: Power LED x3
Fault Indicator	Amber: Indicate power failure occurred
10/100 Base-T(X) RJ45 Port Indicator	Green for port Link/Act. Amber for Duplex/Collision
Power	
Redundant Input power	Dual DC input 12-48VDC on 6-pin terminal block
Power consumption(Typ.)	12 Watts
Overload current protection	Present
Reverse polarity protection	Present on terminal block
Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	96.4(W)x108.5(D)x154(H) mm (3.8x4.27x6.06 inch.)
Weight (g)	1052g
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 70°C (-40 to 158°F)
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
Warranty	5 years

Installation

DIN-Rail Install Step



Wall-mounted Install Step

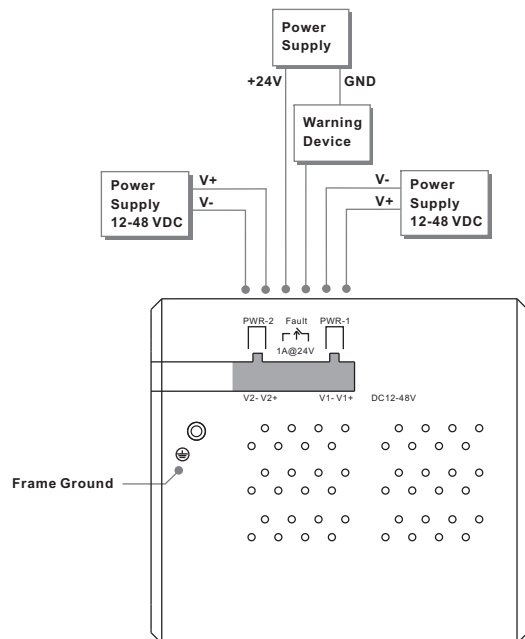


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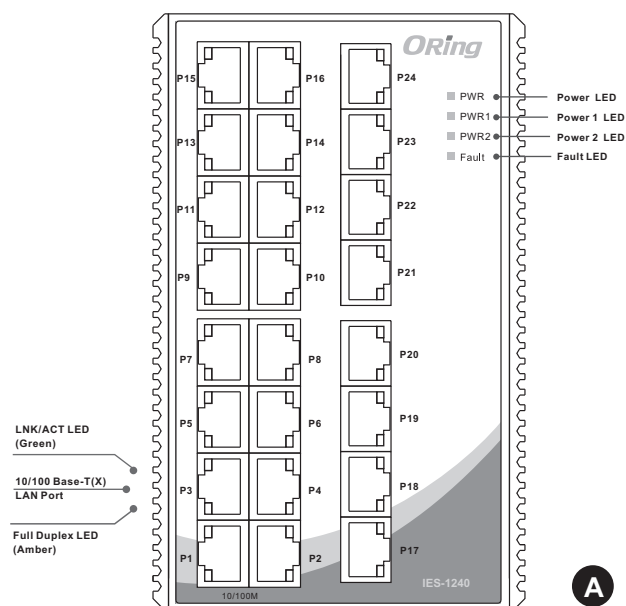
IES-1240

Industrial Unmanaged Switch

Power Connection Guide

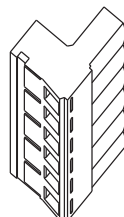


Front Panel



Accessory

① 6-Pin Terminal block



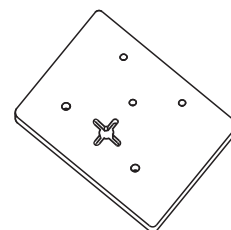
② Dust Cover (RJ-45)



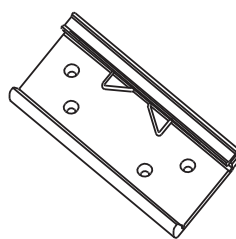
③ Flat Screw (M3 X5)



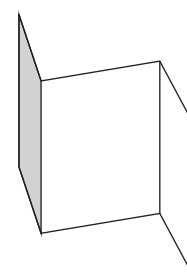
④ Wall-mounted kit



⑤ 88mm DIN-Rail kit



⑥ QIG



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Packing list

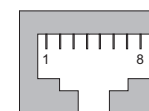
Model name	Front Panel	Model Description	Accessory
IES-1240	A	Industrial 24-port unmanaged Ethernet switch with 24x10/100Base-T(X)	① X 1, ② X 24, ③ X 6, ④ X 2, ⑤ X 1, ⑥ X 1.

Communication Connections

10/100Base-T(X) Ethernet Port Connection

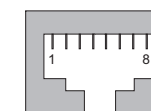
RJ45 (8-pin, MDI) Port Pinouts

Pin	Single
1	Tx+
2	Tx-
3	Rx+
6	Rx-

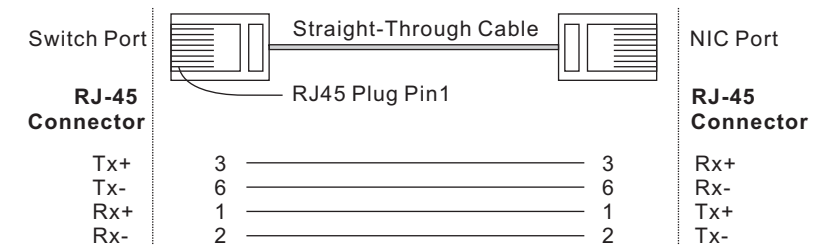


RJ45 (8-pin, MDI-X) Port Pinouts

Pin	Single
1	Rx+
2	Rx-
3	Tx+
6	Tx-



RJ45 (8-pin) to RJ45 (8-Pin) Straight-Through Cable Wiring



RJ45 (8-pin) to RJ45 (8-Pin) Cross-Over Cable Wiring

