IES-1050R

Industrial 5-port Unmanaged Redundant Ethernet Switch

Industrial Ethernet Switches

Highlights

· IES-1050R supports **O-Ring** (recovery time < 10ms over 250 units of connection)
· Supports 5x10/100Base-T(X) ports
· Compact size for easily installation
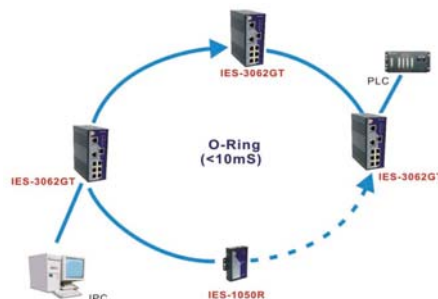· Rigid IP-30 housing design

Features

· World's fastest Redundant Ethernet Ring: O-Ring (recovery time < 10ms over 250 units of connection)
· Supports 5 ports 10/100Base-T(X)

· Very wide operating temperature range from -40°C to 70°C
· Rigid IP-30 housing design
· DIN-Rail and panel mounting enabled

Introduction

IES-1050R is unmanaged Redundant Ring Ethernet switches with 5x10/100TX ports. With very compact size of housing, you can install IES-1050R easily. In addition, it also support of Ethernet Redundancy protocol, O-Ring (recovery time < 10ms over 250 units of connection) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology. IES-1050R is with rigid IP-30 housing design and can operate under harsh environment. The feature of wide operating temperature range from -40°C to 70°C can satisfy most requirement of operation.
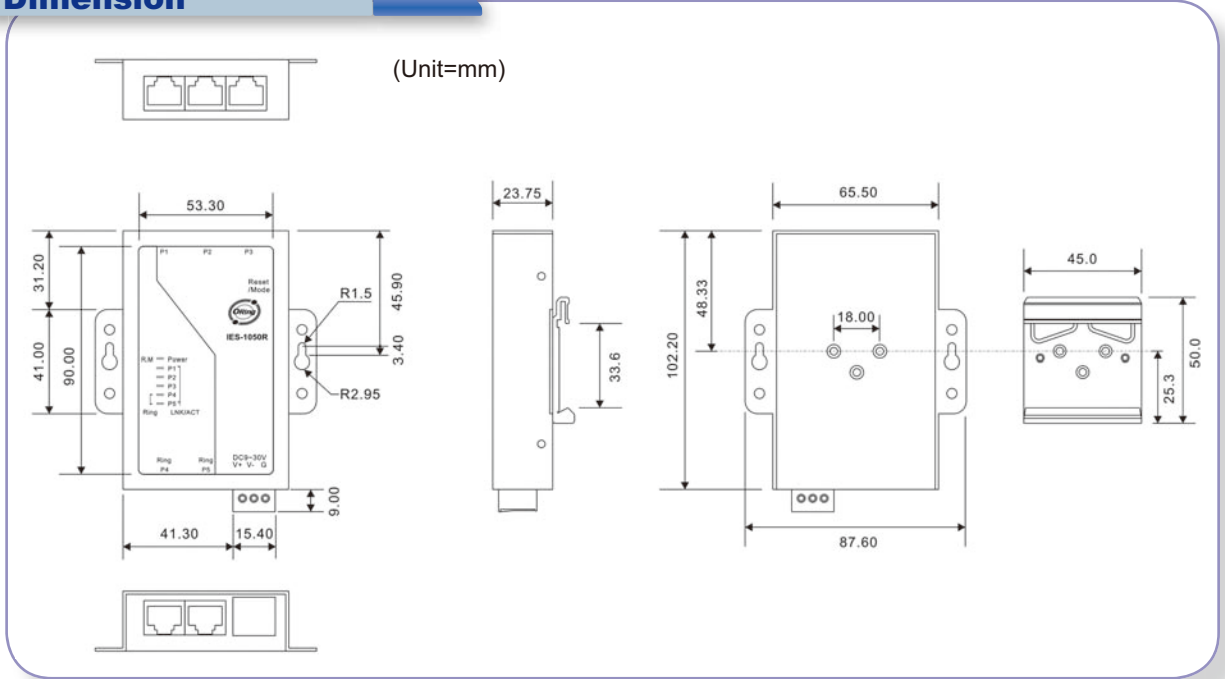
Practical Operation

IES-1050R can be used in connecting several Ethernet devices like Ethernet I/O, IP-Camera or other Ethernet switches. In addition, O-Ring redundant technology is supported to guarantee a non-stop operation.

Connections of redundancy with O-Ring

Dimension

(Unit=mm)

Specifications

ORing Switch Model	IES-1050
Physical Ports	
10/100Base-T(X) Ports in RJ45 Auto MDI/MDIX	5
Technology	
Ethernet Standards	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-T(X) and 100Base-FX, IEEE 802.3x for Flow control
MAC Table	2048 MAC addresses
Priority Queues	4
Processing	Store-and-Forward
Network Redundancy	O-Ring with recovery time less than 10ms over 250 units
LED indicators	
Power / Ready indicator	Green : Ready LED x 1
10/100TX RJ45 port indicator	Green for port Link/Act.
R.M. indicator	Yellow : Indicate system operated in O-Ring Master mode
O-Ring indicator	Yellow : Indicate port operated in O-Ring mode
Power	
Input power	9~ 30 VDC voltage power input at 3-pin terminal block
Power consumption (Typ.)	3W
Overload current protection	Present
Reverse polarity protection	Present on terminal block
Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	88 mm (W) x 102 mm(D) x 24 mm(H)
Weight (g)	308 g

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
Warranty	5 years

Ordering Information

IES-1 AA B R

Code efinition	10/100TX Port Number	Additional Port Number
Option	**- 05:** 5 ports	**- 0:** 0 port

	Model Name	Description
Available Model	IES-1050R	Industrial 5-port Unmanaged Redundant Ethernet Switch with 5x10/100 TX