IES-1050R

>> *Industrial 5-port Unmanaged Redundant Ethernet Switch*

- 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.
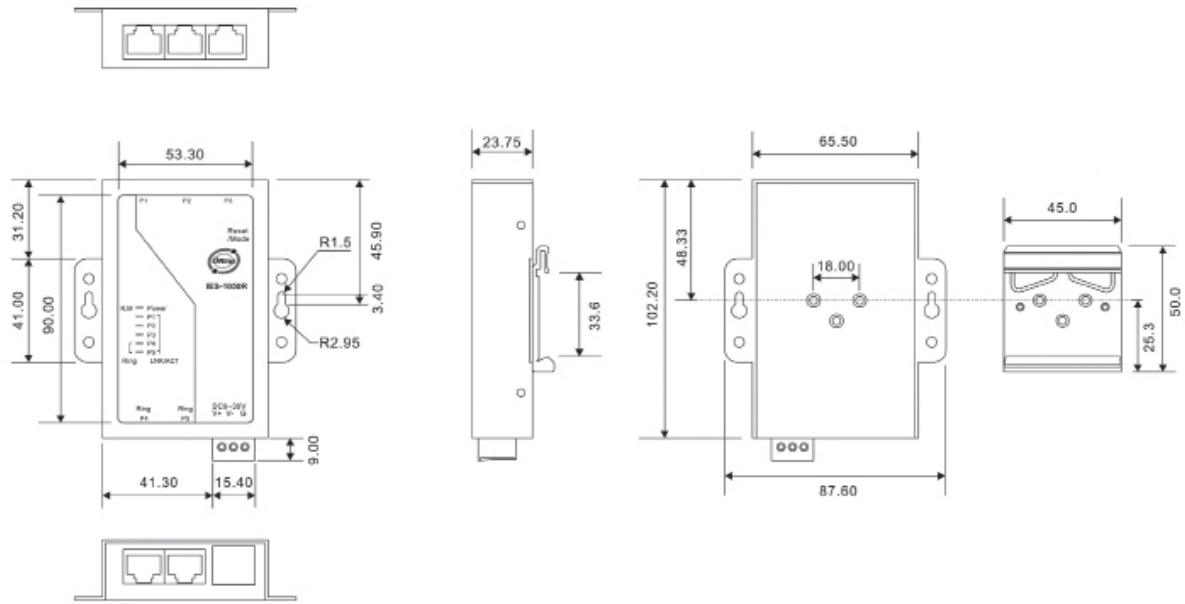
> Practical Operation

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	Amber : Indicate system operated in O-Ring Master mode
O-Ring Indicator	Amber : 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

Company Overview

Key Technologies

New Products

Product
Selection Guide

Industrial
Ethernet Switch

Industrial
Media Converter

Industrial
Device Server

Industrial
Wireless Solution

Industrial
Serial Card

USB Server

Accessories

4

Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	87.6(W) x 23.75(D) x 102.2(H) mm (3.45x0.94x4.02 inch.)
Weight (g)	308 g
Environmental	
Storage Temperature	-40 to 85℃ (-40 to 185°F)
Operating Temperature	-40 to 70℃ (-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

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