

## RP-ISG421

### 4-P Gigabit + 1-TP/SFP(100/1G) combo + 1-SFP(100/1G) slot Industrial Switch



The RP-ISG421 is a 4-P Gigabit + 1-TP/SFP combo + 1-SFP(100/1G) slot Industrial Switch, it is a cost-effective solution and meets the high reliability requirements demanded by industrial applications, such as factory assembly line, automation, transportation and heavy Industrial factory. It can be used as a stand-alone device to connect to end device, and it also can be used to cascaded/daisy-chain to other devices to cover wider area through the SFP connection.

The switch comes with wide range of voltages (9 to 55V DC) power supply source, which secure equipment against unregulated voltage and make systems safer and more reliable. The switch with IP-30 standard compact metal case allows either DIN rail or wall mounting for efficient use of cabinet space.

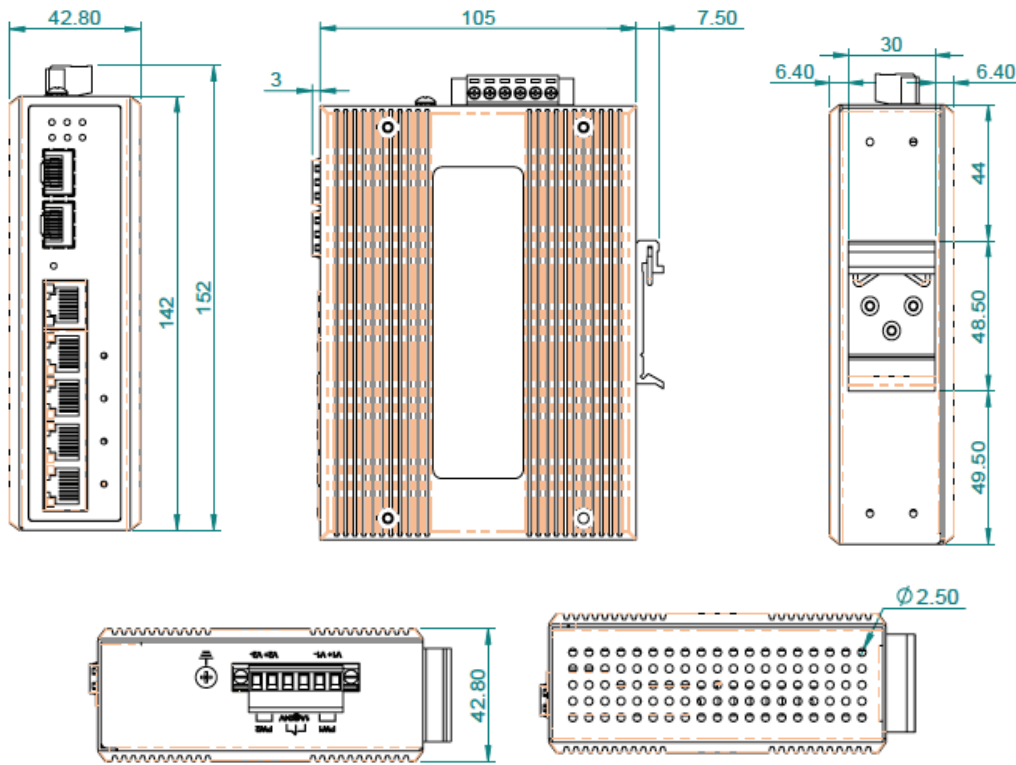
## Feature

- RJ-45 port support Auto MDI/MDI-X Function
- SFP port supports 100Base-FX and 1000Base-X speed
- Store-and-Forward Switching Architecture
- Back-plane (Switching Fabric): 12Gbps
- 1Mbits Memory Buffer
- 1K MAC Address Table
- Power Polarity Reverse Protect
- With Overload Current Re-settable Fuse
- Provides broadcast storm protection
- IP-30 Protection
- DIN Rail and Wall Mount Design

## Specification

<b>Standards</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3 10Base-T Ethernet</li> <li>• IEEE 802.3u 100Base-TX Fast Ethernet</li> <li>• IEEE 802.3ab 1000Base-T Gigabit Ethernet</li> <li>• IEEE 802.3z 1000Base-X Gigabit Ethernet</li> <li>• IEEE802.3x Flow Control and Back Pressure</li> </ul>
<b>Switch Architecture</b>	<ul style="list-style-type: none"> <li>• Back-plane (Switching Fabric): 12Gbps</li> </ul>
<b>Data Processing</b>	<ul style="list-style-type: none"> <li>• Store and Forward</li> </ul>
<b>Flow Control</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3x Flow Control and Back Pressure</li> </ul>
<b>Jumbo Frame</b>	<ul style="list-style-type: none"> <li>• 10KB</li> </ul>
<b>MAC Table Size</b>	<ul style="list-style-type: none"> <li>• 1K</li> </ul>
<b>Packet Buffer Size</b>	<ul style="list-style-type: none"> <li>• 1Mbits</li> </ul>
<b>Network Connector</b>	<ul style="list-style-type: none"> <li>• 5 RJ-45 Port: 10/100/1000BaseT(X) auto negotiation, Auto MDI/MDI-X function, Full/Half duplex</li> <li>• 2 SFP slots: 100/1000M Base-X</li> </ul>
<b>Network Cable</b>	<ul style="list-style-type: none"> <li>• UTP/STP above Cat.5e Cable, EIA/TIA-568 100-ohm (100m)</li> <li>• Fiber Cable (Multi-mode):50/125um,62.5/125um</li> <li>• Fiber Cable (Single-mode): 9/125um</li> </ul>
<b>Protocol</b>	<ul style="list-style-type: none"> <li>• CSMA/CD</li> </ul>
<b>LED</b>	<ul style="list-style-type: none"> <li>• PW1(Power 1) Green, PW2(Power 2) Green, ERR( Fault ) Amber</li> <li>• TX/RJ-45 port: LNK (Link/Active) Green, SPD(Speed) 10/100(OFF ) ,1000 (Green)</li> <li>• SFP Fiber Per port: Link (Green) , Active Flash</li> </ul>
<b>DIP Switch</b>	<ul style="list-style-type: none"> <li>• DIP 1: OFF: Port 5 SFP (DEFAULT) ; ON: Port 5 TX</li> <li>• DIP 2: OFF: SFP 1000M ; ON: SFP 100M</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• Redundant Dual DC 9V-55V Power Input</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>• 5.76W@48 VDC full load</li> </ul>
<b>Alarm Relay Contact</b>	<ul style="list-style-type: none"> <li>• Relay outputs with current carrying capacity of 1A @24VDC</li> <li>• Relay in short circuit mode when 2 powers are connected. in open circuit mode when only one power supply is connected</li> </ul>
<b>Removable Terminal Block</b>	<ul style="list-style-type: none"> <li>• Provide 2 Redundant power, alarm relay contact ,6 Pin</li> </ul>
<b>Surface temperature</b>	<ul style="list-style-type: none"> <li>• Aluminum housing Surface temperature stays the same as ambient temperature with a full load in a 75°C chamber</li> </ul>
<b>Operating Temperature</b>	<ul style="list-style-type: none"> <li>• -40°C~75°C fully tested with full load 100M cable length</li> </ul>
<b>Storage Temperature</b>	<ul style="list-style-type: none"> <li>• -40°C~85°C</li> </ul>
<b>Operating Humidity</b>	<ul style="list-style-type: none"> <li>• 5% to 95% (Non-condensing)</li> </ul>
<b>Housing</b>	<ul style="list-style-type: none"> <li>• Rugged Metal ,IP30 Protection</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 142 x 43 x 105mm (LxWxD)</li> </ul>
<b>Installation mounting</b>	<ul style="list-style-type: none"> <li>• DIN Rail mounting and Wall Mounting</li> </ul>
<b>EMC/EMS</b>	<ul style="list-style-type: none"> <li>• CE, FCC</li> </ul>
<b>EMI</b>	<ul style="list-style-type: none"> <li>• FCC Part 15 Subpart B Class A</li> <li>• CE EN 55022 Class A</li> </ul>

## Diagram



## Ordering information

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