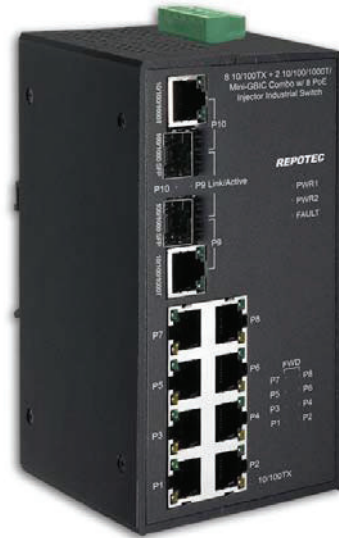


## RP-IPE082GE

### 8 10/100TX + 2G (TP/SFP) combo Industrial PoE Switch (Wide Temperature)

RP-IPE082GE provides 8 10/100Mbps Fast Ethernet with IEEE 802.3af Power over Ethernet and 2 Gigabit TP/SFP combo interfaces. The PoE device helps realize a centralized power supply solution and provides up to 15.4 watts of power per port. It meets the high reliability requirements demanded by industrial applications, such as factory assembly line, automation, transportation and heavy Industrial factory.

The switch comes with wide range of voltages (12 to 48V 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. Furthermore, RP-IPE082GE also supports many advanced network standards to optimize network performance, ease maintenance issues, and secure network safety.



### Feature

- RJ-45 port support Auto MDI/MDI-X Function
- Embedded 8-port PoE inject function
- SFP supports 100/1000 Dual Mode
- Store-and-Forward Switching Architecture
- Back-plane (Switching Fabric): 5.6Gbps
- 1Mbits Packet Buffer
- 8K MAC Address Table
- Support Wide Operating Temperature (-40°C~75°C)
- 48VDC Redundant Power Design
- IP-30 Protection,
- DIN Rail and Wall Mount Design
- Relay output for port breakdown, power fail and alarm

### Specification

#### Standards

- IEEE 802.3 10Base-T Ethernet/IEEE 802.3u 100Base-TX
- IEEE802.3ab 1000Base-T

	<ul style="list-style-type: none"> <li>• IEEE802.3z Gigabit fiber</li> <li>• IEEE802.3x Flow Control and Back Pressure</li> <li>• IEEE802.3af Power over Ethernet</li> </ul>
<b>Switch Architecture</b>	<ul style="list-style-type: none"> <li>• Back-plane (Switching Fabric): 5.6Gbps</li> <li>• Packet throughput ability(Full-Duplex): 8.3Mpps @64bytes</li> </ul>
<b>Transfer Rate</b>	<ul style="list-style-type: none"> <li>• 14,880pps for Ethernet port</li> <li>• 148,800pps for Fast Ethernet port</li> <li>• 1,488,000pps for Gigabit Fiber Ethernet port</li> </ul>
<b>Memory Buffer</b>	<ul style="list-style-type: none"> <li>• 1Mbits built-in</li> </ul>
<b>Mac Address</b>	<ul style="list-style-type: none"> <li>• 8K MAC address table</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>• 10/100TX: 8* RJ-45</li> <li>• 10/100/1000T/SFP Combo: 2* RJ-45 + 2* 100/1000 SFP sockets</li> </ul>
<b>PoE</b>	<ul style="list-style-type: none"> <li>• RJ-45 port 1~8: support IEEE 802.3af End-Span, Alternative A mode</li> <li>• Per port provides 15.4W @ 48VDC</li> <li>• Positive (VCC+): RJ-45 pin 1, 2,</li> <li>• Negative (VCC-): RJ-45 pin 3, 6, Data</li> </ul>
<b>Network Cable</b>	<ul style="list-style-type: none"> <li>• 10Base-T: UTP/STP Cat. 3, 4, 5/ 5E cable EIA/TIA-568 100-ohm (100m)</li> <li>• 100Base-TX: UTP/STP Cat. 5/ 5E cable EIA/TIA-568 100-ohm (100m)</li> <li>• 1000Base-TX: UTP/STP Cat. 5/ 5E cable EIA/TIA-568 100-ohm (100m)</li> </ul>
<b>Optical Fiber</b>	<ul style="list-style-type: none"> <li>• Multi-mode: 50/125um~62.5/125um</li> <li>• Single-mode: 9/125um</li> <li>• Available distance: 2km (Multi-mode)/30km (Single-mode)</li> <li>• Wavelength: 1310nm (Multi-mode/Single-mode)</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>• Per unit: Power (Green), Power 1 (Green), Power 2 (Green), Fault (Red)</li> <li>• 8 port 10/100: Link/Activity (Green), Full duplex/Collision(Amber), Power Feeding (Green)</li> <li>• Gigabit port: Link/Activity</li> </ul>
<b>Relay Alarm</b>	<ul style="list-style-type: none"> <li>• Provides one relay output for port breakdown, power fail and alarm.</li> <li>• Alarm Relay current carry ability: 1A @ DC24V</li> </ul>
<b>Case</b>	<ul style="list-style-type: none"> <li>• Metal case. IP-30</li> </ul>
<b>Installation</b>	<ul style="list-style-type: none"> <li>• Provide DIN rail kit and wall mount ear for wall mount or DIN-type cabinet install</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>• 16.8 Watts (Max.);</li> <li>• POE Power Budget: 123.2 Watts (Max.)</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• External Power Supply: DC 48V, Redundant power DC 48V and connective removable terminal block. Maximal power: 140 Watts.</li> </ul>
<b>Environment</b>	<ul style="list-style-type: none"> <li>• Operating Temperature: -10°C to 60°C</li> <li>• Wide Operating Temperature: -40°C~75°C</li> <li>• Operating Humidity: 5% to 95% (Non-Condensing)</li> </ul>
<b>Dimension</b>	<ul style="list-style-type: none"> <li>• 72 * 105 * 152 mm</li> </ul>
<b>EMI</b>	<ul style="list-style-type: none"> <li>• FCC Class A, CE EN61000-4-2 (ESD), CE EN61000-4-3 (RS), CE EN-61000-4-4 (EFT),</li> <li>• CE EN61000-4-5 (Surge), CE EN61000-4-6 (CS), CE EN61000-4-8, CE EN61000-6-2, CE EN61000-6-4</li> </ul>
<b>Safety</b>	<ul style="list-style-type: none"> <li>• UL, cUL, CE/EN60950-1</li> </ul>
<b>Stability Testing</b>	<ul style="list-style-type: none"> <li>• IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)</li> </ul>

## Ordering information

**RP-IPE082GE** 8 10/100TX + 2G (TP/SFP) combo Industrial PoE Switch (Wide Temperature)