



## **RP-IMC322FP**

### **2-P 10/100/1000Base-T + to 2-P 100/1000Base-X Compact Industrial PoE Media Converter**

RP-IMC322FP Industrial PoE Media Converter is equipped with 802.3af/at 30W Gigabit PSE ports and 2 port 100M/1000M SFP, providing input power voltage 44~57VDC. It delivers 30watts power per PoE port and generates a total of 60Watts power to PD devices, and 2 SFP for long-distance Fiber Uplink.

RP-IMC322FP features with fiber redundant, fiber ports 100/1000M selection and PoE watchdog function, which all can be configured by the DIP switch on the top panel. RP-IMC322FP is a high cost-effective easy-to-use device, which provides redundant power design with polarity reverse/over-voltage protection, It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications

RP-IMC322FP operates in the range from -40°C to 75°C, ensuring its reliability even in environments that surpass commercial product specifications. RP-IMC322FP offers a combination of powerful features and durable design, making it the ideal choice for industrial applications requiring secure and efficient Ethernet connectivity in harsh environmental conditions.

## **Features**

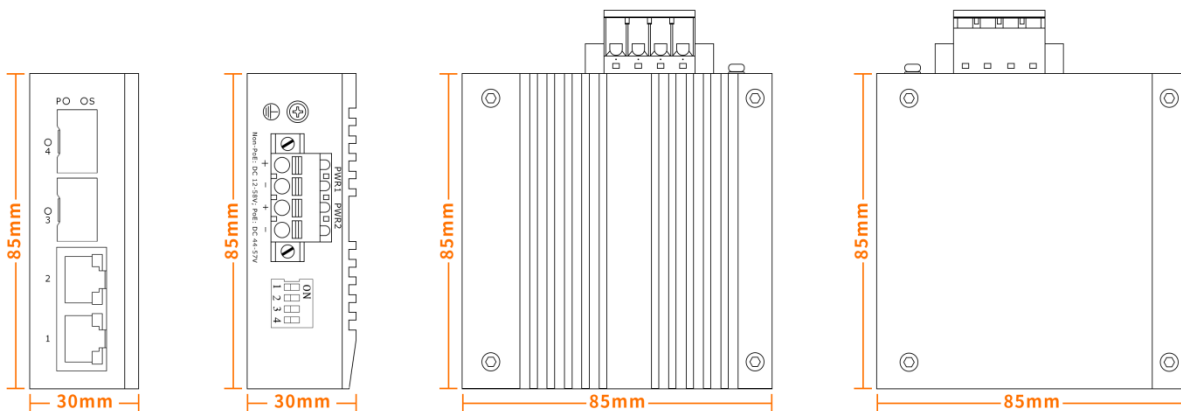
- 2\*10/100/1000Base-T RJ45 PoE ports, 2\*100/1000Base-X SFP ports
- DC 44~57V input, redundant power supply with polarity reverse/over-voltage protection
- Complies with IEEE802.3af PoE and IEEE802.3at PoE+ standard
- Powerful DIP switch function: dip1.Fiber redundant; dip2. Fiber ports 100/1000M selection; dip3.250m long distance based on 10M, dip4. PoE watchdog
- Support 10K Bytes Jumbo frame and 1M large buffer
- Support 4KV surge protection and ESD: Air-15kV, Contact-8kV Protection
- IP40 rated rugged compact case protection, Din-rail design
- Operation temperature: -40°C ~+75°C

## Specifications

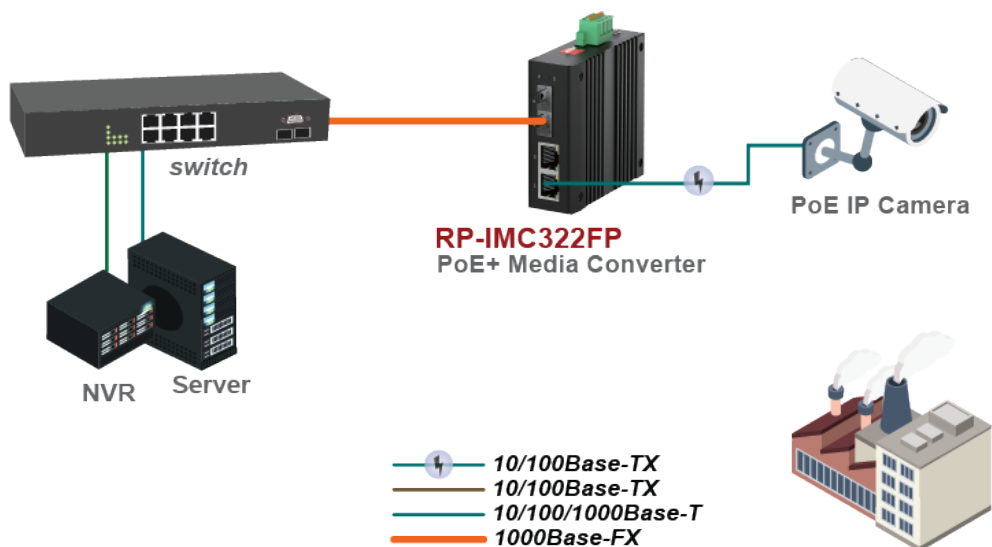
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3 10Base-T Ethernet</li> <li>• IEEE 802.3u Fast Ethernet</li> <li>• IEEE 802.3ab Gigabit Ethernet</li> <li>• IEEE 802.3x Full-Duplex Flow Control</li> <li>• IEEE 802.3az Energy Efficient Ethernet</li> <li>• IEEE 802.3af Power-Over-Ethernet</li> <li>• IEEE 802.3at Power Over Ethernet plus PSE</li> </ul>
Forwarding Capacity	<ul style="list-style-type: none"> <li>• 11.9 Mpps</li> </ul>
Switching Capacity	<ul style="list-style-type: none"> <li>• 8Gbps</li> </ul>
Buffer	<ul style="list-style-type: none"> <li>• 1M bit</li> </ul>
Jumbo Frame	<ul style="list-style-type: none"> <li>• 10Kbytes</li> </ul>
Forwarding delay	<ul style="list-style-type: none"> <li>• &lt;5us</li> </ul>
VLAN	<ul style="list-style-type: none"> <li>• 4K</li> </ul>
Interface	<ul style="list-style-type: none"> <li>• 2 x 10/100/1000Base-T PoE, Auto-MDX/MIDX, Watchdog</li> <li>• 2 x 100/1000Base-X SFP slot</li> </ul>
LED indicators	<ul style="list-style-type: none"> <li>• P(Power indicator) (Green)</li> <li>• S(PoE usage indicator) (Red): Off: total PoE usage &lt; rated 50%; Blinking: rated 50% &lt; total PoE usage &lt; rated 90%; On: total PoE usage ≥ rated 90%</li> <li>• SFP Lnk/Act (Green)</li> <li>• RJ-45: Lnk/Act (Green), PoE (Amber)</li> </ul>
DIP Switch	<ul style="list-style-type: none"> <li>• Dip1: Fiber redundant</li> <li>• Dip2: Fiber port 100/1000M selection</li> <li>• Dip3: 250m long distance mode(1-2 ports)</li> <li>• Dip4: PoE watchdog</li> </ul>
Reverse polarity protection	<ul style="list-style-type: none"> <li>• Present</li> </ul>
Overload current protection	<ul style="list-style-type: none"> <li>• Present</li> </ul>
Power Input	<ul style="list-style-type: none"> <li>• 44-57VDC, redundant power input, 1.5A Max</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>• Full loading without PoE ≤ 3W</li> </ul>
PoE power budget	<ul style="list-style-type: none"> <li>• PoE power budget ≤ 60W</li> </ul>
Removable Terminal Block	<ul style="list-style-type: none"> <li>• Removable 4-pin terminal block</li> </ul>
Environment	<ul style="list-style-type: none"> <li>• Operating Temperature: -40°C ~ 75°C</li> <li>• Storage Temperature: -40°C ~ 85°C</li> <li>• Operating Humidity: 5% to 95% (Non-condensing)</li> </ul>
Housing	<ul style="list-style-type: none"> <li>• Aluminum, IP40 Protection</li> </ul>
Dimension	<ul style="list-style-type: none"> <li>• 85x30x85 mm (LxWxD)</li> </ul>
Installation method	<ul style="list-style-type: none"> <li>• DIN Rail mounting</li> </ul>
Safety	<ul style="list-style-type: none"> <li>• LVD (EN62368-1)</li> </ul>
EMC	<ul style="list-style-type: none"> <li>• CE, FCC, EN 55032/35</li> </ul>
EMI	<ul style="list-style-type: none"> <li>• CISPR 32, FCC Part 15B Class A</li> </ul>
EMS	<ul style="list-style-type: none"> <li>• Surge protection of power: IEC 61000-4-5 Level 3</li> </ul>

	(4KV/2KV) (8/20us) • Surge protection of Ethernet ports: IEC 61000-4-5 Level 3 (4KV/2KV) (10/700us) • DIP: IEC 61000-4-11 Level 3 (10V) • ESD: IEC 61000-4-2 Level 4 (8K/15K)
Vibration	• EN 60068-2-6
Shock	• EN 60068-2-27
Free Fall	• EN 60068-2-32

## Dimension



## Application



## Ordering information

**RP-IMC322FP**

2-P 10/100/1000Base-T to 2-P 100/1000Base-X SFP slot Industrial PoE+ Media Converter

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