

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

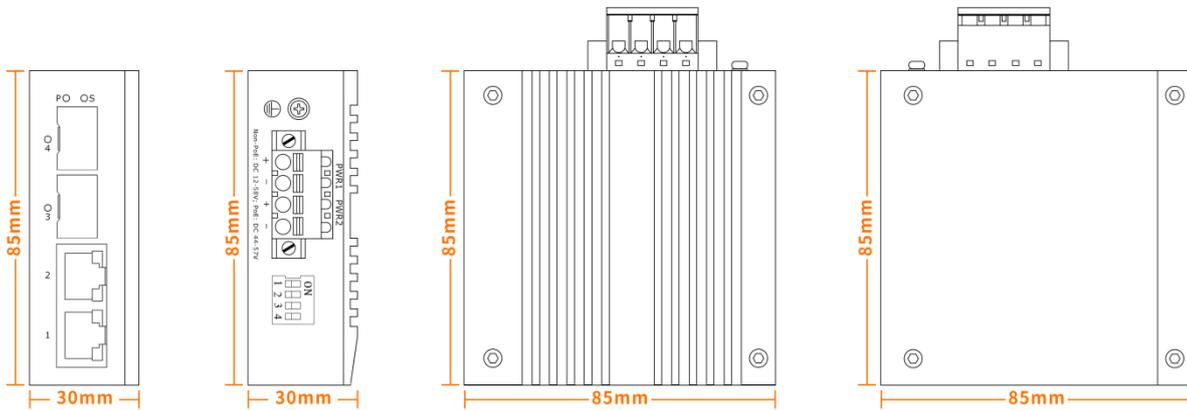
- 2*10/100/1000Base-T RJ45 PoE ports, 2*100/1000Base-X SFP ports
- DC 44~57V input, redundant power supply with polarity reverse/over-voltage protection
- Complies with IEEE802.3af PoE and IEEE802.3at PoE+ standard
- Powerful DIP switch function: dip1.Fiber redundant; dip2. Fiber ports 100/1000M selection; 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

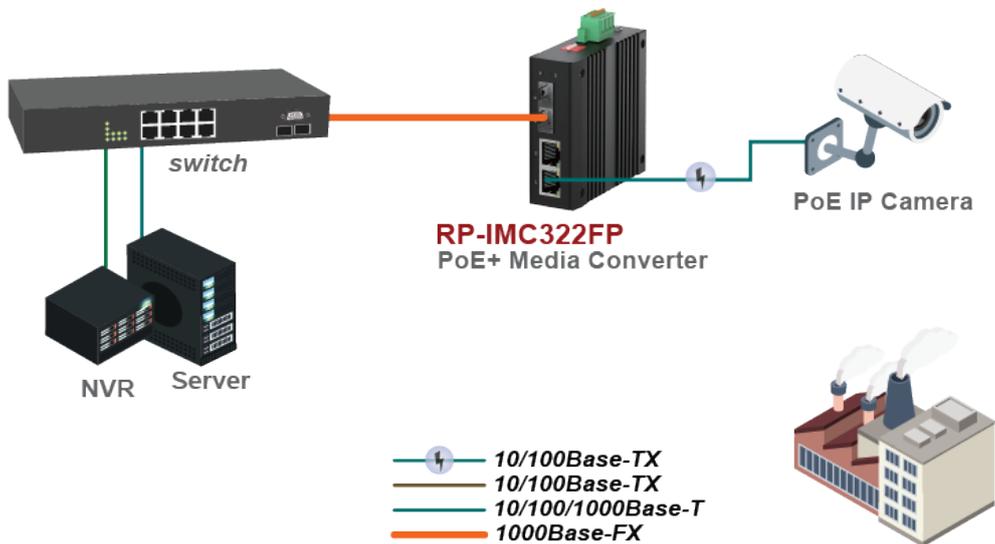
Standards	<ul style="list-style-type: none"> • IEEE 802.3 10Base-T Ethernet • IEEE 802.3u Fast Ethernet • IEEE 802.3ab Gigabit Ethernet • IEEE 802.3x Full-Duplex Flow Control • IEEE 802.3az Energy Efficient Ethernet • IEEE 802.3af Power-Over-Ethernet • IEEE 802.3at Power Over Ethernet plus PSE
Forwarding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

	(4KV/2KV) (8/20us) <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> EN 60068-2-6
Shock	<ul style="list-style-type: none"> EN 60068-2-27
Free Fall	<ul style="list-style-type: none"> 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

REPOTEC CO., LTD.

3F., No.258, Liancheng Rd., Zhonghe District., New Taipei City 235, Taiwan

TEL: 886-2-8227-1888 FAX: 886-2-8227-1818