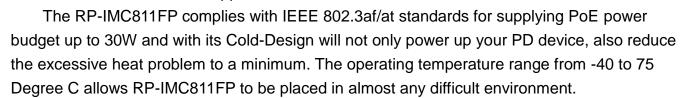
#### **RP-IMC811FP**

# 10/100/1000Base-TX to 100/1000Base-X SFP Industrial PoE+ Media Converter

RP-IMC811FP is an Industrial PoE Converter providing superior performance in stability, environmental adaptability. It equips with one 10/100/1000BASE-T RJ45 copper and one slot for 100/1000BASE-X SFP.



With IP30 industrial case protection, the RP-IMC811FP provides a high level of immunity against corrosion and electromagnetic interference.RP-IMC811FP also allows either DIN rail or wall mounting for efficient use of cabinet space.

#### **Feature**

- Supports 48V-56VDC, Redundant power input
- Adjustable SFP speed 100M or 1000M
- PoE Output power up to 30Watts or 60Watts
- Reverse polarity protection
- Overload current protection
- ESD protection diodes on RJ-45 port
- 2K MAC Table
- 9KB Jumbo Frame
- Rugged Metal IP30 Protection enclosure
- Operating Temperature: -40°C to +75°C



## **Specification**

Standards	IEEE 802.3 10Base-T Ethernet,
	<ul> <li>IEEE 802.3u 100Base-TX Fast Ethernet</li> </ul>
	<ul> <li>IEEE 802.3ab 1000Base-T Gigabit Ethernet</li> </ul>
	<ul> <li>IEEE 802.3z 1000Base-X Gigabit Ethernet</li> </ul>
	<ul> <li>IEEE802.3x Flow Control and Back Pressure</li> </ul>
	IEEE802.3af/at PoE
Data Processing	Store and Forward
Flow Control	IEEE 802.3x Flow Control and Back Pressure
Switch Architecture	Back-plane (Switching Fabric): 4Gbps
MAC Table Size	• 2K
Jumbo Frame	• 9KB
Packet Buffer Size	• 1M
	• 1x RJ-45 10/100/1000BaseT(X) PSE with PoE Output power up
Interface	to 30Watts or 60Watts
	• 1x 100/1000M SFP slot
Network Cable	UTP/STP above Cat.5e Cable
	• EIA/TIA-568 10-ohm (100m)
Protocol	CSMA/CD
	30 watts 2 pairs Mode A End Span
POE Pin Assignment	V+, V+, V-, V- for pin 1, 2, 3, 6
1 OE 1 III Assignment	60 watts 4 pairs Mode A End Span
	V+, V+, V-, V- for pin 1, 2, 3, 6; V+, V+, V-, V- for pin 4, 5, 7, 8
	<ul> <li>PW1: ON- power good, OFF-power failed (Green)</li> </ul>
LED indicators	<ul> <li>UTP LED: PD detected (Amber); Link/active (Green)</li> </ul>
	SFP LED: SFP detected (Green)
DIP Switch	Set SFP speed 100M or 1000M
Reverse polarity protection	Present
Overload current protection	Present
Power Supply	<ul> <li>4 pin terminal block with 48V-56V VDC Power Input</li> </ul>
топо. Сирр.,	SW ( Relay ): Relay switch for alarm
	<ul> <li>Relay outputs with current carrying capacity of 1 A @24VDC,</li> </ul>
Alarm Relay Contact	Relay in short circuit mode when power fails.
	Relay in open circuit mode when power supply is connected
Power Consumption	2W @48 VDC Without PoE
PoE power	Max. PoE power 36watts at 56VDC input (RP-IMC800FP)
	Max. PoE power 72watts at 56VDC input (RP-IMC800FP-60W)
	Provide 4 pin terminal block     Wing and a 2 Advant 40 to 2 Franch 20
Bowowski	• Wire range: 0.34mm^2 to 2.5mm^2
Removable	• Solid wire (AWG):12-24/14-22
Terminal Block	Stranded wire(AWG): 12-24/14-22     Torque Elb. In (0.50Nm)
	Torque:5lb-ln/0.5Nm/0.56Nm     Wire Strip length: 7.9mm
Operating Temperature	<ul> <li>Wire Strip length: 7-8mm</li> <li>-40°C~75°C</li> </ul>
Operating Temperature	
Operating Humidity	<ul> <li>5% to 95% (Non-condensing)</li> <li>-40° ~85°</li> </ul>
Storage Temperature	
Housing Dimension	Rugged Metal ,IP30 Protection     103.5 x 33 x 91.5 mm (l x/M/x/D)
	103.5 x 32 x 81.5mm (LxWxD)      DIN Boil mounting and Wall Mounting
Installation mounting	DIN Rail mounting and Wall Mounting     IEC ENGOSS 1
Safety	• IEC EN60950-1
EMC/EMS	CE, FCC      FCC Port 15 Subport P Class A CE EN FE022 Class A
EMI Vibration	FCC Part 15 Subpart B Class A, CE EN 55022 Class A      FN 50455 (FN 60068 2.6)
Vibration	• EN 50155 / EN 60068-2-6
Shock	• EN 50155 / EN 60068-2-27
Free Fall	• EN 50155 / EN 60068-2-32

### **Ordering information**

RP-IMC811FP 10/100/1000Base-TX to 100/1000Base-X SFP Industrial

PoE+ Media Converter (30W)

**RP-IMC811FP-60W** 10/100/1000Base-TX to 100/1000Base-X SFP Industrial

PoE+ Media Converter (60W)