FIBERROAD®

Industrial
PoE Injector

Product Data Sheet

Industrial PoE Switch

Power and connect your high-performance devices seamlessly with the Fiberroad Industrial Single Port PoE Injector. Designed for reliability, it supplies up to 30 watts of power and features gigabit data ports to handle intensive data traffic, all over a standard network cable.

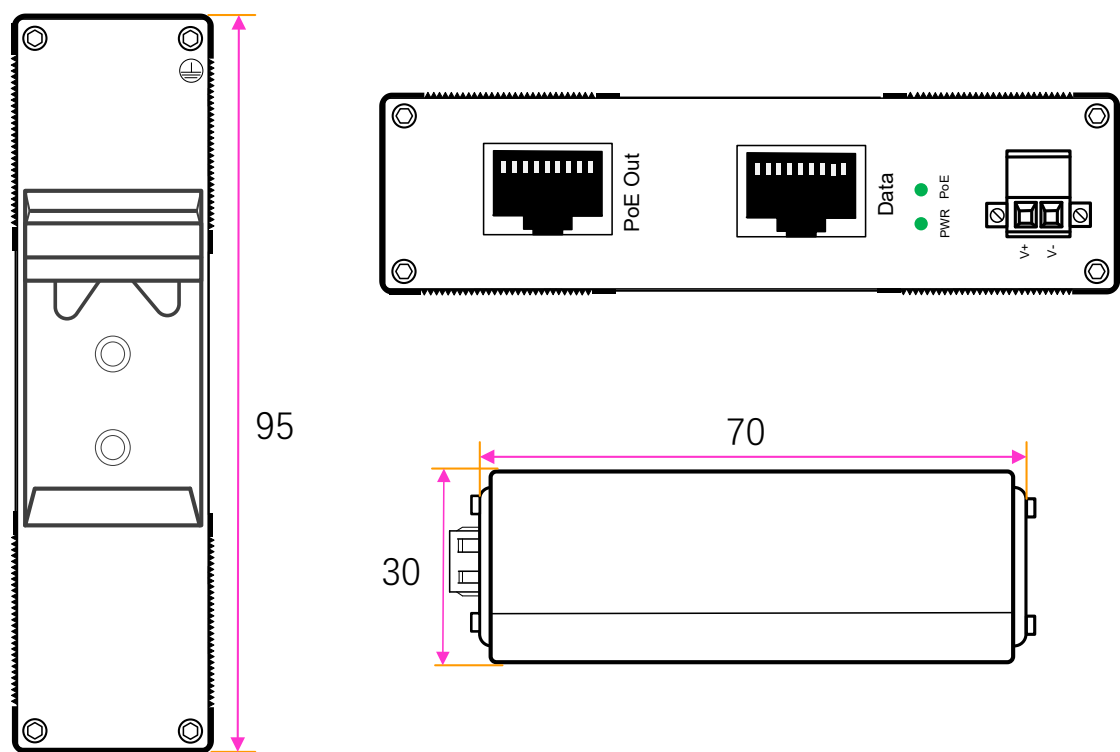| Hardware Specifications	
Product	FR-IPM2002I-1PG-D-30
Interface	Input Port：1 x 10/100/1000BASE-T RJ45, Data In Output Port：1 x 10/100/1000BASE-T RJ45, PoE (Data + Power) Out Input power terminal block: 1 removable 2-Pin terminal block
Network Cable	10BASE-T: UTP category 3, 4, 5 cable (maximum 100 m); 100BASE-TX: UTP category 5, 5e cable (maximum 100 m); 1000BASE-T: UTP category 5e cable or above (maximum 100 m)
Enclosure	IP40 aluminum case
Installation	DIN-Rail and Wall-mount
Dimension	95mm x 70mm x 30mm (L x W x H)
Power Supply and PoE	
Power Input	1x12-48V DC
Power Consumption	30W Max
PoE Standard	IEEE 802.3af/at PoE+
PoE Power Supply Type	Mid-span
Power Supply Pin	1/2(+), 3/6(-)
Max Power Per Port	30W
Environmental	
Operating Temperature	-30℃ to +70℃ (-22 to 158 ℉)
Storage Temperature	-40℃ to +85℃ (-40 to 185 ℉)
Operating Humidity	5%~90% (non-condensing)
Cooling	Passive Cooling
MTBF	＞500,000 hours @MIL-HDBK-217F GF 25℃
LED Indicators	
PWR(Green)	ON: Power is being supplied ,OFF: Power is not being supplied
PoE(Green)	ON: PoE in Use, OFF: PoE not in Use

Regulatory & Warranty

Standard Compliance	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3x Full-Duplex Flow Control IEEE 802.3az Energy Efficient Ethernet
ISO	Manufactured in ISO-9001facility
Safety	IEC62368-1:2020+A11:2020
EMI	FCC Part 15B Class A, IEC 61000-3-2
EMS	IEC61000-4-2 ESD: Contact:±8kV, Air:±15kV IEC61000-4-5 Surge: Power: ±6kV; RJ45:±4kV/±6kV(PoE)
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Environmental	RoHS 2011/65/EU Annex II(EU)
Warranty	3 Years, Details See: https://fiberroad.com/warranty

Package Contents

Device	1 x Industrial Ethernet Switch
Installation Kit	1 x DIN-Rail Clip 2 x Wall-Mount Kits
Documentation	1 x Quick installation guide 1 x Warranty card 1 x Product notice

Dimensions   Unit: mm

Precautions

To avoid damage to the equipment and personal injury caused by improper use, please observe the following precautions:

❖ Keep the power off during installation, wear an anti-static wrist, and ensure that the anti-static wrist is in good contact with the skin to avoid potential safety hazards.

❖ The switch can work normally under the correct power supply. Please confirm that the power supply voltage matches the voltage indicated by the switch.

❖ Before powering on the switch, please make sure that the power circuit is not overloaded, so as not to affect the normal operation of the switch and even cause unnecessary damage.

❖ To avoid the risk of electric shock, do not open the case while the switch is working, even if it is not charged, do not open it yourself.

❖ Before cleaning the switch, pull out the power plug of the switch. Do not wipe with a wet cloth. Do not use liquid to clean it.

❖ The equipment installed in the rack is generally from bottom to top to avoid overload installation.

❖ Avoid placing other heavy objects on the surface of the switch to avoid accidents.

Order Information

Model Number	10/100/1000Base-T RJ45	100/1000Base-X SFP	PoE Output	PoE Input	Power Input	Operating Temp.
FR-IPM2002I-1PG-D-30	2	\	802.3 af/at	\	12-48V	-30 to +70℃

The information in this document is subject to change without notice. Fiberroad Technology Co., Limited has made all effects to ensure the accuracy of the information, but all information in this document does not constitute any kind of warranty. Contact us for the most up-to-date product information.

For more information

For more information about Fiberroad Smart Industrial Ethernet series products, Visit https://www.fiberroad.com or contact your local account representative.