

4 Port Gigabit PoE+ Injector

The Fiberroad 4-Port Gigabit PoE+ Injector is a device that adds Power over Ethernet (PoE+) capability to an existing network that lacks it. It acts as a middleman, taking data from a standard network switch and adding electrical power to it, allowing you to connect and power multiple PoE devices directly through their Ethernet cables.

Main Features

Adds PoE+ to Non-PoE Networks: Its primary function is to upgrade a regular, non-PoE Gigabit switch, enabling it to power PoE devices without needing to replace the entire switch.

4 PoE+ Output Ports: Can simultaneously power and connect four PoE or PoE+ devices (like IP cameras, wireless access points, VoIP phones, etc.).

High Power Output: Supplies up to 30 watts per port, which is the standard for PoE+ (IEEE 802.3at).

Gigabit Speed: Supports 10/100/1000 Mbps data rates, ensuring a high-speed network connection.

Long Distance Support: Provides power and data over the standard Ethernet cable limit of 100 meters (328 feet).

Fanless & Quiet Operation: The passive cooling design (no internal fan) makes it completely silent, ideal for offices, homes, or quiet environments.

Internal Power Adapter: The power supply is built into the unit, so you don't need a separate, bulky "power brick." This reduces cable clutter and simplifies setup.



Product Specifications

Hardware Specifications

Product	FR-IPS2008I-4PG-A-90
Port	4x10/100/1000BASE-T RJ45 (Data In) 4x10/100/1000BASE-T RJ45(PoE Out)
Fiber Ports	\
Enclosure	IP30 meta case
Installation	Desktop or Wall Mount
Dimension	140 x 110 x 40mm
Weight	600g(Bare weight), 850g(With package)

Layer 2 Features

Switch Architecture	Store-and-Forward
Forward Rate	Non-blocking full wire-speed forwarding rate
MAX. Packet Length	9K bytes
Flow Control	IEEE 802.3x pause frame for full duplex, Back pressure for half duplex

Power Supply and PoE

Power Input	1
Power Connector	C14 Terminal
Power Input	AC 100-240V, 50-60Hz, Internal AC-to-DC adapter
PoE Ports	Out 1 to 4 IEEE802.3 af/at
PoE Power Supply Type	End-span
Power Supply Pin	1/2(+), 3/6(-)
Max Power Per Port	30W
PoE Power Budget	90W

Environmental

Operating Temperature	0°C to +50°C (-40 to 167 °F)
Storage Temperature	-40°C to +85°C (-40 to 185 °F)
Operating Humidity	5%~90% (non-condensing)
Heat Dissipation	322 BTU/h (with 120W PoE load)
Cooling	Passive Cooling
MTBF	100,000 Hours

LED Indicators

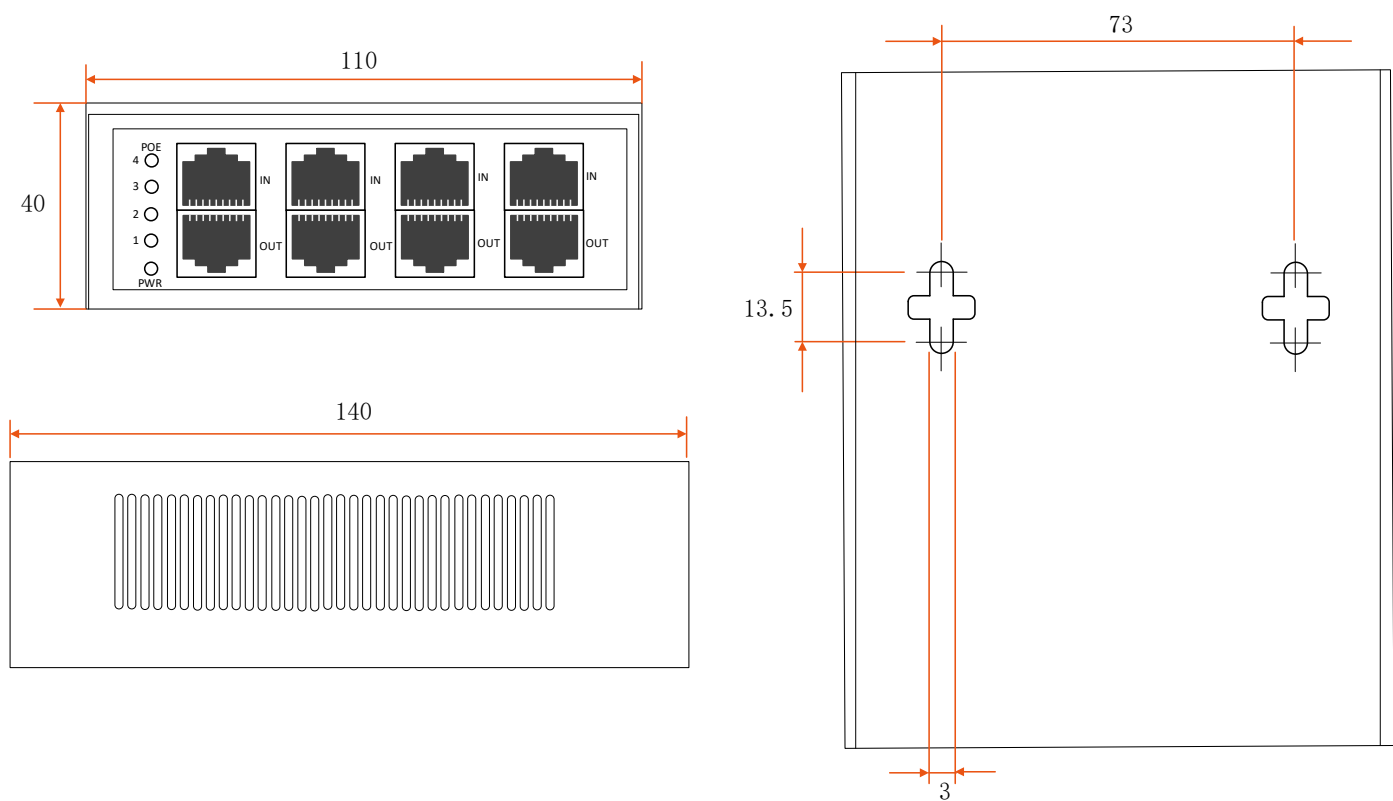
PWR	ON: Power is being supplied ,OFF: Power is not being supplied
PoE 1-4	ON: Connected PD Load, OFF: No Connected PD Load

Package Contents

Device	1 x PoE Injector
Accessories	1 x Region Power Cord
Documentation	1 x Quick Installation Guide 1 x Warranty Card

Regulatory & Warranty	
Standard Compliance	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit 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
Environmental	RoHS 2011/65/EU Annex II(EU)
Warranty	1 Year, Details See: https://fiberroad.com/warranty

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/Media Converter can work normally under the correct power supply. Please confirm that the power supply voltage matches the
- ❖ voltage indicated by the Switch/Media Converter.
- ❖ Before powering on the Switch/Media Converter, please make sure that the power circuit is not overloaded, so as not to affect the normal operation of the Switch/Media Converter and even cause unnecessary damage.
- ❖ To avoid the risk of electric shock, do not open the case while the Switch/Media Converter is working, even if it is not charged, do not open it yourself.
- ❖ Before cleaning the Switch/Media Converter, pull out the power plug of the Switch/Media Converter. 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/Media Converter to avoid accidents.

Order Information

Model Number	Data In	PoE Out	Power Budget	Input Voltage	Operating Temp.
FR-IPS2008I-4PG-A-60	4x10/100/1000M RJ45	4x10/100/1000M RJ45	60W	AC220V	0-50°C
FR-IPS2008I-4PG-A-90	4x10/100/1000M RJ45	4x10/100/1000M RJ45	90W	AC220V	0-50°C
FR-IPS2008I-4PG-A-120	4x10/100/1000M RJ45	4x10/100/1000M RJ45	120W	AC220V	0-50°C

Shipping

Model No.	FR-IPS2008I-4PG-A-60/90/120
Classification Codes	HS Code: 851762
	HTS: 8517.62.00
NDA Compliant	Yes
Individual Gross Weight	850g
Individual Package Dimension	255*202*55mm
Package Quantity	20 Units
Package Gross Weight	18kg
Package Dimension	540x315x430mm

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

For more information

For more information about Fiberroad Fiber Media Converter series products, Visit <https://www.fiberroad.com> or contact your local account representative.