

San Telequip (P) Ltd.,  
504 & 505 Deron Heights, Baner Road  
Pune 411045, India



Phone : +91-20-27293455, 9764027070, 8390069393  
email : [info@santequip.com](mailto:info@santequip.com)

Connecting. Converting. Leading !

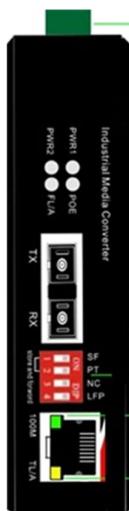
## Manual for Industrial Grade PoE Injector, SC12FPIA

### Brief introduction

SC12FPIA is in an IP40 rugged strong case, Industrial Level-4 EMC design, which can work steady in harsh environments. It is an ideal solution to providing network by supporting Auto-Negotiation and LED indicators.

The device supports redundant power system (12~56VDC), supports DIN-Rail mounted and Wall-mounted, supports up to 30W power per port for any remote IEEE802.3af/at powered device (PD) such as PoE IP cameras and PoE wireless LAN access point.

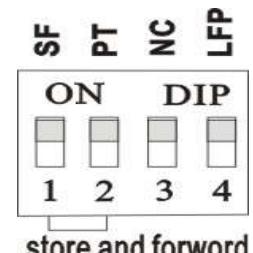
### Product Description



Name	Function
Terminal block	Power supply and Ground connector
PWR1	"On": Power 1 is on and normal
PWR2	"On": Power 2 is on and normal
POE	"On": Power over POE port is on and normal
FL/A	"On": Fiber link correct. "Blink": Signal packet going through Fx end
100M	"On": 100Mbps
TL/A, L/A	"On": Ethernet link is correct. "Blink": Signal packet goes through Tx end
DIP Switch	To control the LFP function

### DIP Functions

Switch	Status	Function
1	On	Pass through mode
	Off	Switch mode
2	On	Modified cut through mode
	Off	Store-and-forward mode
3	On	NA
	Off	NA
4	On	Enable LFP function(default)
	Off	Disable LFP function



### Pin Out details

1, 2, 3, 6 Data + Power

Pin 1 : RX+, DC+

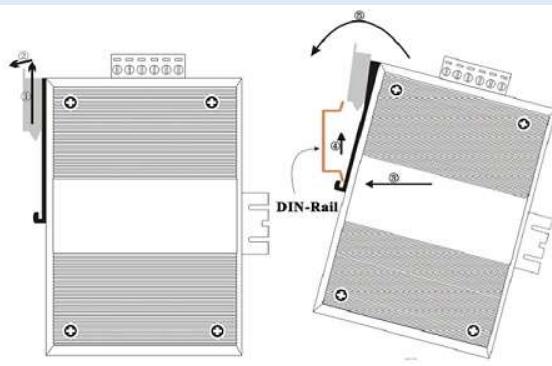
Pin 2 : RX-, DC+

Pin 3 : TX+, DC-

Pin 6 : TX-, DC-

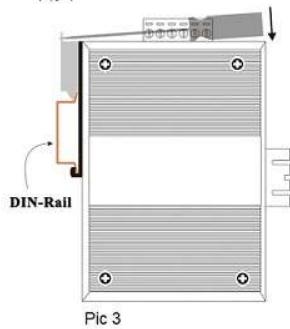
Mode A, End Span type

### Installation



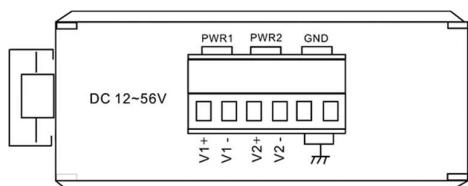
Pic 1

The mounting & unmounting of the DIN installation is as per the pics shown.



Pic 3

### Power



6 PIN Screw terminals, V1+ and V1- is for power supply 1 (PWR1), V2 + and V2- is for power supply 2 (PWR2) and GND for earthing terminal, as shown in the Pic.

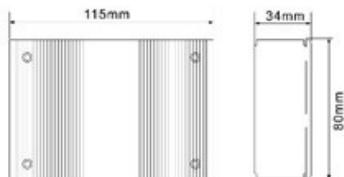
Power 1 and Power 2 input voltage range is 12VDC to 56VDC, V1+ and V2+ are positive, V1- and V2- are negative, and the equipment supports reverse polarity protection.

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## Dimensions



Industrial POE Media Converter

## Warning

This product is suitable for indoor application.

Place the dust cover on the fiber interface when not in use.

It is dangerous to stare at the fiber transmitter with the naked eye.

Optical fiber transceivers must be used in pair.

Please select a proper Power Supply depending on the product you are buying & the device you are connecting. We will not cover the damage caused by your using unqualified power supply.

## Trouble shooting

Device is not connecting.

Please check that the corresponding network device is using the same transfer rate as the media converter (10Mbps, 100Mbps or 1000Mbps).

If power loss is excessive in the fiber, please check and clean the fiber patch cord connectors.