LNK-SPL01 Series

Industrial PoE splitter with 2-port Switch function, output voltage 12VDC

This quick start guide describes how to install and use the Hardened Gigabit High Power PoE Splitter with 2-port switch function. It is of choice for harsh environments.

Overview

The LNK-SPL01 acts as PD equipment and can be powered by standard PoE IEEE802.3af/at PSE (Power Source Equipment) switches or work when paired with LNK-INJ301 PoE Injectors. The data transmission, up to Gigabit speeds, with selectable power output voltages of 12VDC, run simultaneously up to the Ethernet limit of 100 meters. Simple settings of the LNK-SPL01, make it a plug and play device, requiring no tools or software configuration, and provides ease of use, with flexible installation and high reliability.

With 2-port RJ45 data output, LNK-SPL01 can be function as switch. With dual power input (PoE input + 12VDC input), the PoE splitter can work when there is no PoE input, that is to say, LNK-SPL01 can automatically recognize the power input (default in PoE input, switch to 12VDC input when PoE not work).

General

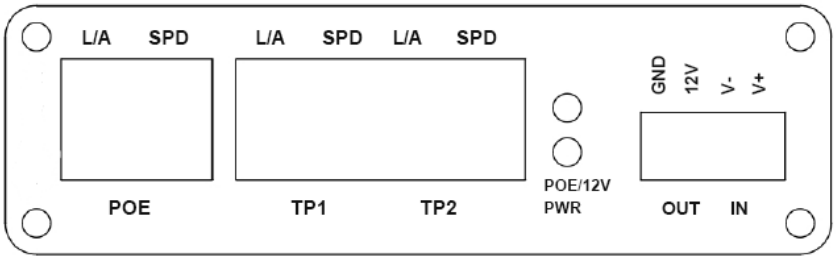
To ensure trouble free transportation and storage, all products must be thoroughly inspected, tested and well packed before delivery. Check the product upon receipt for any visible damage which may have been caused during shipping.

Package Content

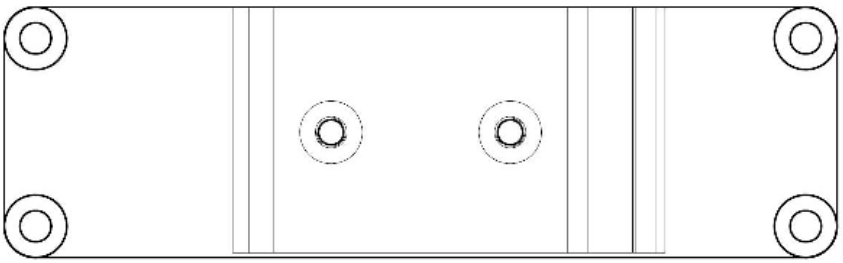
- LNK-SPL01 Series PoE Splitter x 1
- Quick Start Guide x 1
- L-Shaped Wall Mount bracket x 1

Physical Description

Front Panel



Rear Panel



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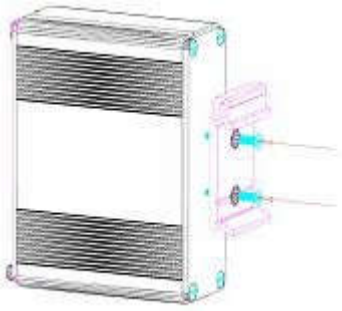
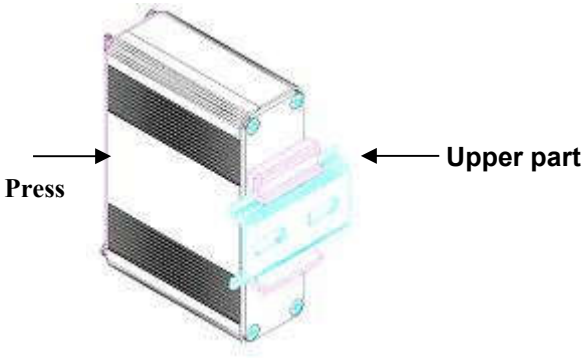
Installation

DIN Rail Installation

LNK-SPL01 can be installed on a DIN rail. Installation steps are as follows:



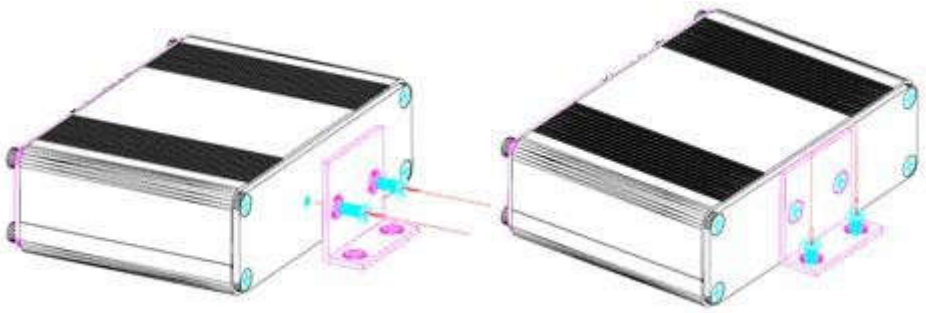
1. Tighten the screws to fix the DIN Rail plate



2. Lock the upper part of the DIN rail clip on the upper side of the track. Gently press it until the clip is securely locked on the track.

Wall Mount Installation

LNK-SPL01 also can be installed on a Wall Mount. Installation steps are as follows:



1. Tighten the screws to fix the Wall Mount plate

2. Mount the splitter on the wall or on a flat surface with 2 screws piercing through the mounting holes to secure it in position.

Setup

a) Connect the Ethernet equipment or IP Camera to Data out port of the splitter using the UTP cable.

b) Connect the PoE PSE to the Splitter PoE In port.

c) When the Splitter get the power by POE PSE, the PoE In LED lights illuminate. If the indicators are not on, check the PoE PSE equipment connection.

d) When 12VDC output, 12V LED lights illuminate. (page 3).

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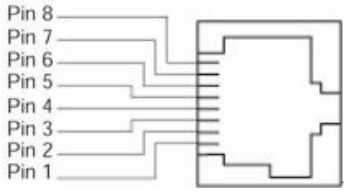
Interface

Ethernet/PoE IN

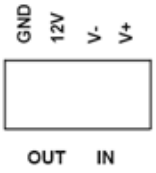
RJ-45 Pin Assignment



Pin	Ethernet	PoE Mode A	PoE Mode B
1	TP0+	TP0+/VCC+	TP0+
2	TP0-	TP0-/VCC+	TP0-
3	TP1+	TP1+/VCC-	TP1+
4	TP2+	TP2+	TP2+/VCC+
5	TP2-	TP2-	TP2-/VCC+
6	TP1-	TP1-/VCC-	TP1-
7	TP3+	TP3+	TP3+/VCC-
8	TP3-	TP3-	TP3-/VCC-

Power Connection：

Pin / Description	GND	12V	V-	V+
Power	OUT		IN	



Cable Connections:

Signal Type	Cable Type	Connector
Data Out, PoE In	Cat. 5 or above	RJ45
Power OUT	Wire-cable	2-pin Terminal Block
Power IN	Wire-cable	2-pin Terminal Block

The Port Status LEDs

Indicators

Indicator	Color	Status	Description
PWR	Green	ON	Power ON
12V/PoE	Green	ON	PSE Power in, 12VDC Power OUT
		OFF	No 12VDC Power OUT

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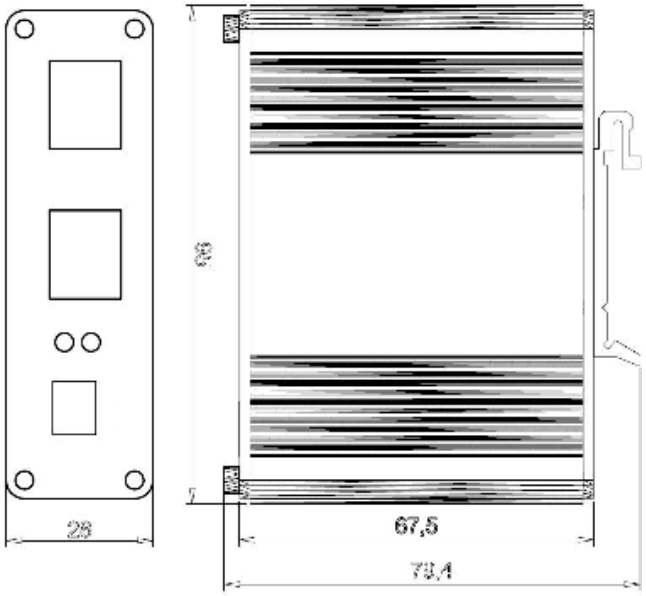
Dimensions Drawing of the Product (Unit: mm)



DIN Rail

Functional Description

- **Splits power and data from PoE Input**
- **1-port PoE Power+ Data input**
- **2-port Data output (Switch function)**
- **1 DC out + 1DC IN (5-pin Terminal Block)**
- **Able to work with 12VDC input no PoE**
- **Support IEEE802.3af/at PoE**
- **Support 10/100/1000Base-TX**
- **Distance up to 100 meters**
- **Supports output power up to 20W**
- **12VDC output voltage**
- **Short-circuit protection for power output**
- **IP40 rugged metal housing and fanless**
- **Support DIN-Rail & Wall-mount installation.**
- **Extensive LED indicators for PoE diagnostics**
- **Wide operating temperature -40 ~ 80°C**