Industrial 10/100/1000Mbps 802.3at PoE+ Splitter Output Voltage 12VDC

Features

- ► Splits power and data from PoE Input
- ► One RJ-45 PoE Port (Data & Power In)
- ► One RJ-45 Port (Data Out)
- ► One 12VDC Output (2-pin Terminal Block)
- ► Support IEEE802.3af/at PoE
- ► Support 10/100/1000Base-T
- ► Distance up to 100 meters
- ► 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

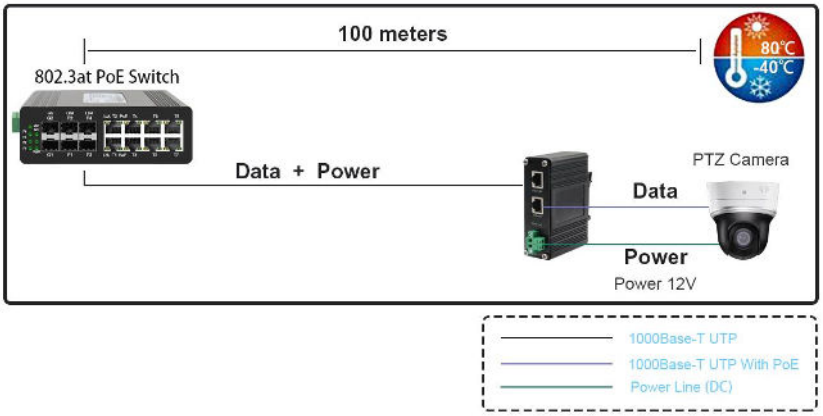


Overview

LNK-INS301-12V series is an Industrial Grade, Gigabit Ethernet, PoE Splitter, designed to deliver data, via RJ-45 Ethernet connector, and electrical power, via screw terminal block, to non-PoE devices. This device saves the high cost of running separate electrical service to edge devices.

The LNK-INS301-12V 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 power output voltages of 12VDC, run simultaneously up to the Ethernet limit of 100 meters. Simple settings of the LNK-INS301-12V, make it a plug and play device, requiring no tools or software configuration, and provides ease of use, with flexible installation and high reliability.

Application



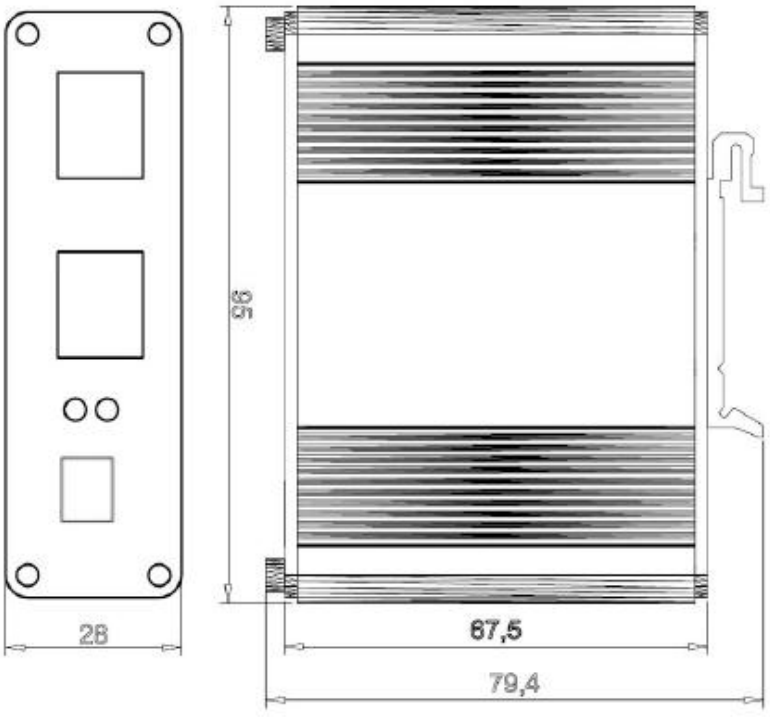
Technical Indexes

Ethernet	
Standards:	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3ab 1000Base-T Gigabit Ethernet
	IEEE 802.3af Power over Ethernet
	IEEE 802.3at Power over Ethernet Plus
Processing Type:	Forward
	Half-duplex, Full-duplex
Forward Filter Rate:	1,488,000pps (1000Mbps)
Cabling:	1000Base-T: Cat5 or above
Maximum Distance:	Cat5 UTP up to 100m
Interface:	“PoE (Power + Data)” Input Port: 1 x RJ-45 10/100/1000Base-T
	“Data” Out Port: 1 x RJ-45 10/100/1000Base-T
	DC Out Plug Connector: 1 removable 2-Pin terminal block
Power over Ethernet	
PoE Standard:	IEEE 802.3af/at Power over Ethernet
Number of devices that can be powered:	1 (DC12V) (Vary on device’s power requirement; cannot be over 20 watts.)
Environmental	
Operating Temperature:	-40°C to 80°C (-40°F to 176°F)
Storage Temperature:	-40°C to 85°C (-40°F to 185°F)
Relative Humidity:	5% to 95% non-condensing
MTBF:	>200,000hrs
Electrical and Mechanical	
Power Output:	20W 12VDC (Terminal Block)
Power Consumption:	25W Max.
LED Indicators:	
PWR:	12VDC Power OUT
POE:	PoE Power IN
Dimensions (WxDxH):	95 x 70 x 30 mm
Weight:	0.25Kg
Casing:	Aluminum Case
Mounting Options:	DIN-Rail / Wall-mount
Regulatory Approvals	
ISO9001	
FCC part 15, Class A	
EN55022:2006+A1: 2007 Class A	
Surge Protection:	
RJ45: 1KV	
Power: 500W	
ESD: 4KV/8KV	

Ordering Information

Model	Description
LNK-INS301-12V	Industrial IEEE802.3at Gigabit PoE Splitter Output Voltage 12VDC, maximum output of 20W at 12VDC, Support DIN-Rail mounting and Wall mounting installation, -40 to 80°C operating temperature
Mounting Options	► Default DIN-Rail Bracket installed; Wall Mount Bracket is included.

Dimensions (Unit: mm)



DIN Rail