Industrial Gigabit 95W 802.3bt PoE++ Injector (12~48VDC)

Features

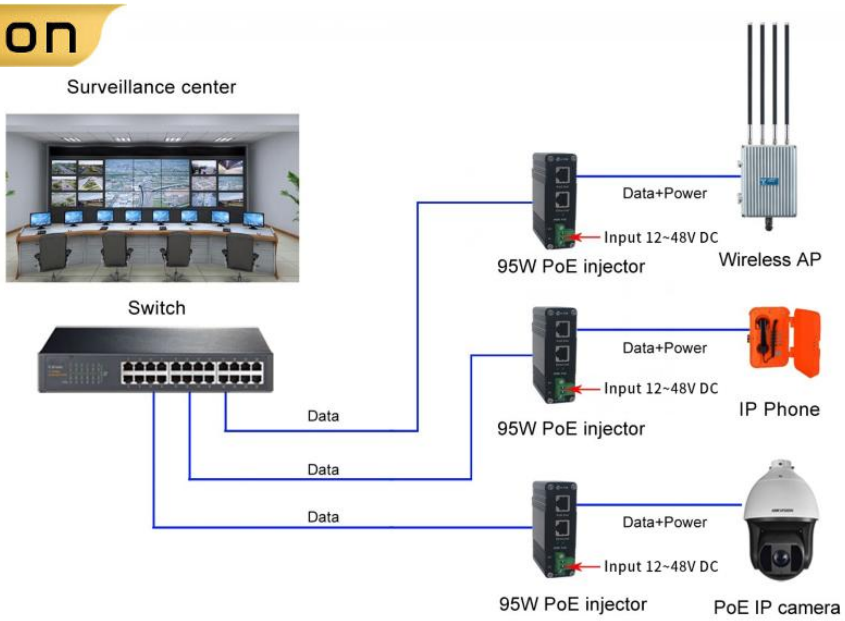
- 1 RJ45 Ethernet Data Input Port + 1 RJ45 Power over Ethernet Output Port (Data + Power)
- Support 95W LTPoE++ Power Sourcing Equipment
- Complies with IEEE 802.3at/bt PoE end-span/mid-span PSE
- Support 10/100/1000Base-TX
- Extensive LED indicators for PoE diagnostics
- 12~48V DC wide range power input with power booster function
- Up to 95-watt PoE budget (48VDC), 95-watt PoE budget (24VDC), 60-watt PoE budget (12VDC)
- Supports DIN-Rail and Wall-mount installation
- Environmentally Hardened -40° C to 80° C



Overview

The LNK-INJ301-90 product is an Industrial hardened Gigabit single-port PoE+ IEEE 802.3bt / LTPoE++ 95W 10/100/1000Base-TX PoE Injector with 12~48V DC Input and Voltage Booster. It allows you to connect the PoE device such as camera and access point with a non PoE LAN switch within the distance of 100m. Both the Ethernet port (to switch) and the PoE Out port (to PoE device) support 10/100/1000Base-T and are compliant with IEEE 802.3ab. It provides 95W PoE output.

Application



Ethernet	
Standards:	IEEE802.3 10 BASE-T Ethernet IEEE802.3u 100 BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE802.3 x Flow Control
Processing Type:	Forward
	Half-duplex, Full-duplex
Forward Filter Rate:	1,488,000pps (1000Mbps)
Cabling:	Twisted-pair cable up to 100 meters (328ft) 10BASE-T: 4-pair UTP Cat. 3, 4, 5, 5e, 6, 6A 100BASE-TX: 4-pair UTP Cat. 5, 5e, 6, 6A 1000BASE-T: 4-pair UTP Cat. 5e, 6, 6A
Maximum Distance:	Cat5 UTP up to 100m
Connector:	2x RJ45
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	
Input Power:	12~48VDC (Terminal Block)
Power Consumption:	100W Max.
Power over Ethernet:	
Standard:	IEEE 802.3bt 4-pair Power over Ethernet
	IEEE 802.3at Power over Ethernet Plus
	IEEE 802.3af Power over Ethernet
Port:	RJ45
Power Pin Assignment	Data provide over pairs 1,2TX and 3,6RX Power over spare pairs 1,2,4,5(+) and 3,6,7,8(-)
PoE Budget:	Up to 95-watt PoE budget (48VDC) Up to 95-watt PoE budget (24VDC) Up to 60-watt PoE budget (12VDC)
LED Indicators:	
Power:	Power Status
PoE:	PoE Status
Dimensions (WxDxH):	95 x 70 x 30 mm
Weight:	0.25Kg
Casing:	IP40 Aluminum Case
Mounting Options:	DIN-Rail / Wall-mount
Standard Accessories	
Package Contents	LNK-INJ301-90
	User's manual
	Wall-mount kit
	DIN-mount kit

Regulatory Approvals
ISO9001
FCC part 15, Class A
EN55022:2006+A1: 2007 Class A
Surge Protection:
RJ45: 1KV
Power: 500V
ESD: 4KV/8KV

Ordering Information

Model	Description
LNK-INJ301-90	Hardened Gigabit 1-port Ethernet Input + 1-port 95W PoE++ Output Injector with 12~48V DC wide range power input
Mounting Options	► Default DIN-Rail Bracket installed; Wall Mount Bracket is included.
Power Options	► 120W/2.5A 48VDC Power Supply. Open Wire for Terminal Block
	► Power Supply is to be purchased separately.