12~48V DC Power Input Industrial 2.5G PoE+ Injector

Features

- 12~48V DC Power Input
- 1 RJ45 Ethernet Data Input Port + 1 RJ45 Power Over Ethernet Output Port (Data + Power)
- Support IEEE802.3at Power over Ethernet (PoE+) Power Sourcing Equipment
- Support 10/100/1000/2.5G Base-TX
- Extensive LED indicators for PoE diagnostics
- Environmentally Hardened -40° C to 80° C (-40° F to 176° F) operating temperature
- Small Size 95 x 70 x 30 mm
- Aluminum Alloy Metal Case
- Support DIN-rail mounting and wall mounting installation



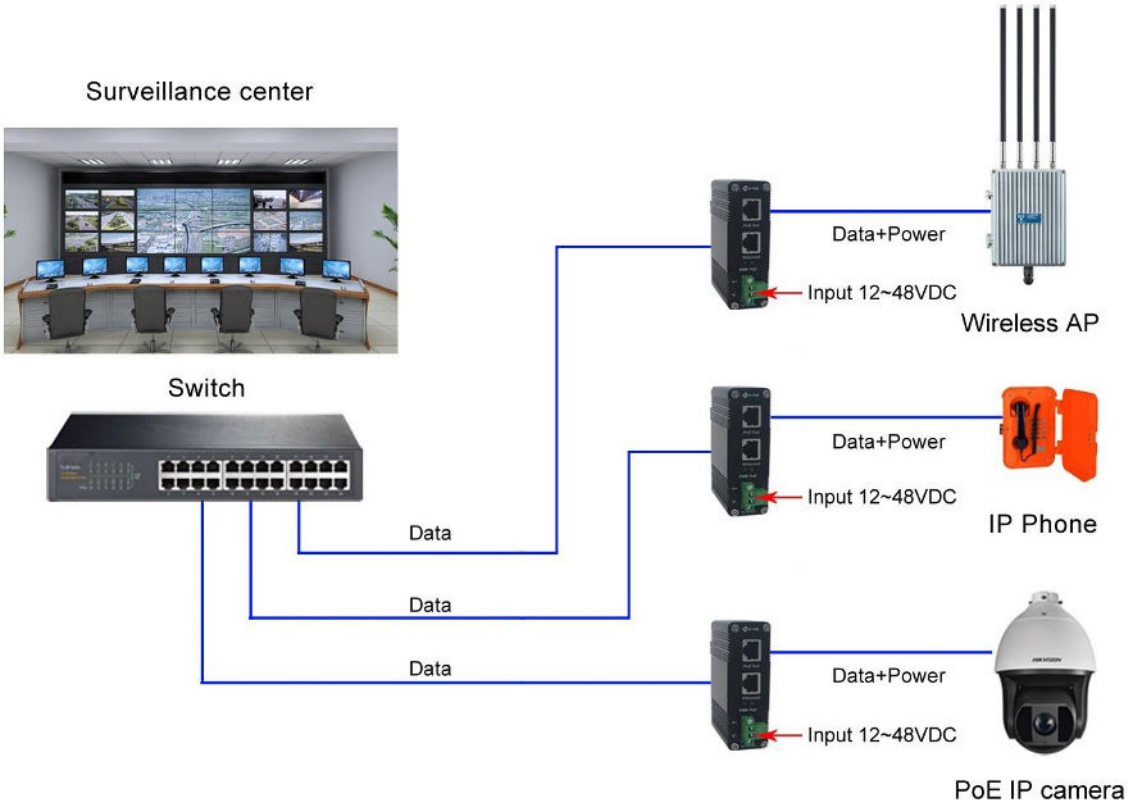
Overview

The LNK-INJ401-30 product is a Hardened 2.5G High Power PoE Injector allows you to connect the IEEE 802.3 af/at 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 10/100/1000/2.5G Base-T and are compliant with IEEE 802.3ab. The PoE Out port is also compliant with IEEE 802.3 at.

LNK-INJ401-30 provides an integrated power solution with a wide range voltage of 12~48VDC for high availability applications.

Application





Wireless AP



CCTV Security Transmisson



IP Phone

Technical Indexes

Ethernet	
Standards:	IEEE802.3af Power over Ethernet
	IEEE802.3at Power over Ethernet
Processing Type:	Forward
	Half-duplex, Full-duplex
Forward Filter Rate:	3,720,000pps (2.5Gbps)
Cabling:	10/100/1000/2.5G Base-T: Cat6A or above
Maximum Distance:	Cat6A 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:	36W Max.
PoE (Power over Ethernet)	
Standard:	IEEE802.3af/at
Port:	RJ45
Power Pin Assignment	4/5(+), 7/8(-)
Max. Power per Port:	30W Max per port (Alternative B Mode)
LED Indicators:	
Power:	Power Status
PoE:	PoE Status
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: 500V	
ESD: 4KV/8KV	

Ordering Information

Model	Description
LNK-INJ401-30	12~48VDC Power Input Industrial 2.5G PoE+ Injector
Mounting Options	► Default DIN-Rail Bracket installed; Wall Mount Bracket is included.
Power Options	► Power Supply is to be purchased separately