

## Key Features & Benefits



- Extend PoE distance through Cat5e Ethernet cables to from 100 Meters to 200 Meters
- Compatible with IEEE 802.3af/at PSE devices
- Support 10/100/1000M data transmission through RJ45 port
- Auto-negotiation and auto-MDIX fast Ethernet RJ45 port
- Both mid-span ( 4/5+, 7/8- ) and end-span ( 1/2+, 3/6- )
- IEEE 802.3at; IEEE 802.3i; IEEE 802.3u; IEEE 802.3x Flow Control; IEEE 802.1at DTE Power via MDI
- 100Base-TX : Cat5 UTP (≤100 meters)
- Store-And-Forward architecture
- 2x RJ45 PoE ports; maximum 25.5W for single PoE port
- Front-end receiving and Back-end supply power

## LinkPower™ GIGABIT PE1025 PoE eXtender

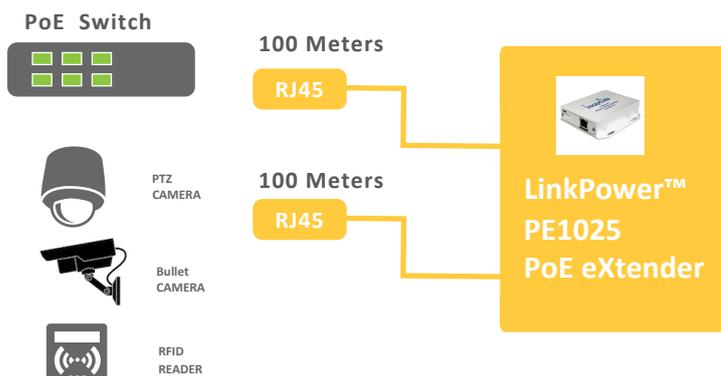
## LinkPower™ PE1025 25.5W PoE eXtender

Inscape Data's LinkPower™ PE1025 PoE eXtender (Power over Ethernet) Extender is a simple device that is capable of extending the Ethernet transmission distance from 100 meters to 200 meters on a CAT5e/6 UTP cable. It is simple as plug and play with no additional power supply and set up required. It offers great flexibility to extend the distance of your PoE network and break the 100 meters limit distance. The PE1025 PoE eXtender supports forwards both Ethernet data and PoE power to remote devices.

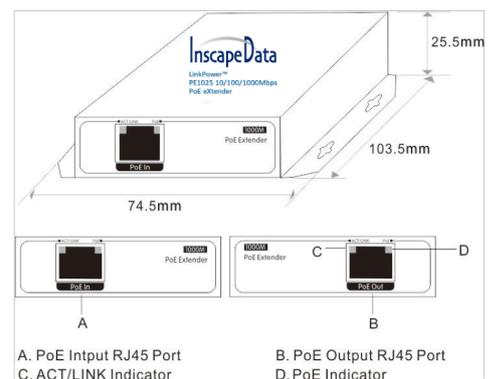
## Applications

- Smart City
- IP Video Surveillance
- Campus Network
- Border Security Surveillance
- Municipal Network
- Energy & Refineries
- Hospitality Network
- Hotel Resort Network
- Hotspot Integration
- VOIP Service
- Traffic Monitoring

## System Configurations

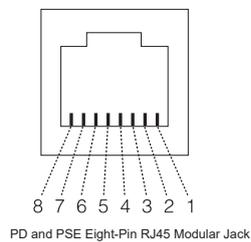


## Product Layout



## Technical Specifications

<b>Product Name</b>	10/100/1000M PoE Extender 25.5W
<b>Model</b>	PE1025
<b>Description</b>	10/100/1000M PoE extender, extends the data transmission from 100m to 200m
<b>Network Protocols and Standards</b>	IEEE 802.3i 10BASET; IEEE 802.3u 100BASET; IEEE 802.3x Flow Control; IEEE 802.1at DTE Power via MDI; IEEE 802.3at
<b>Network Medium</b>	Cat5 or more UTP (≤100 meter)
<b>Backplane Bandwidth</b>	8Gbps
<b>Forwarding Way</b>	Store-And-Forward architecture
<b>MAC Address Table Size</b>	1K
<b>Port Description</b>	1x RJ45 PoE input port; 1x RJ45 PoE output port
<b>PoE Features</b>	PoE standard: IEEE802.3at
	PoE port power: 25.5W
	Default: end-span(1/2+, 3/6-) . Optional:Mid-span(4/5+, 7/8- )
<b>LED Indicator Status</b>	ACT/LINK: Network status , PoE: PoE working status
<b>Dimension/Weight</b>	Dimension(LxWxH): 74.5x103.5x25.5mm
<b>Environment</b>	Operating temperature: 0 to 55° C; Storage temperature: -20 to 75°C; Working Humidity: 10%~90%, non-condensing
<b>Safety</b>	CE Mark ,commercial, FCC Class, RoHS
<b>Warranty</b>	3-year warranty
<b>Package List</b>	POE Extender, User Guide, Warranty Card



RJ45 Conductor Pin#	PSE Pinout		PD Pinout	
	802.3af Mode A	802.3af Mode B/ Passive PoE*	802.3af Mode A	802.3af Mode B/ Passive PoE*
1	Rx, V+	Rx	TX+, V+	TX+
2	Rx, V+	Rx	TX-, V+	TX-
3	Tx, V-	Tx	RX+, V-	RX+
4	Spare	V+		V+
5	Spare	V+		V+
6	Tx, V-	Tx	RX-, V-	RX-
7	Spare	V-		V-
8	Spare	V-		V-

### PACKAGE CONTENTS

- PE1025 (1)
- User Manual (1)
- 1-Year Warranty Sheet (1)



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Revision 1.0

Total PoE Solutions for Wired/Wireless, IP Video, & Smart City Applications

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