

Advantages:

- Repeat and extend the Power over Ethernet cable installation for another 100 meters
- No local power required
- Fully 10/100/1000M Ethernet protocol transparent – no restrictions to network traffic
- 10/100/1000Mbps Ethernet Wire Speed
- Compatible with IEEE 802.3bt/at/af PoE and midspan PoE standard
- IP65 Weather-Proof for PR100GB-ODU outdoor unit
- Simple installation – Plug & Play

PoE Repeater Specifications:

Ethernet Interface:

- IEEE 802.3x, Auto-Detection for 10/100/1000BaseT and full/half duplex
- Automatic MDI/MDIX function
- PoE Input Port: RJ-45 Connector x 1
- PoE Output Port : RJ-45 Connector x 1
- Data Output Port: RJ-45 Connector x 1
- Port-based VLAN function for LAN ports (option)

POWER:

- IEEE 802.3bt/at/af Compliant with voltage within 44-57 Volt
- Maximum Power Dissipation: 2.5 Watts

LED Indicators:

- | | |
|--------------------------------------|--------------------------------------|
| ● POWER: Power is ON | DATA OUT: GE Port |
| ● POE IN: GE Port with PoE IN | POE OUT: GE Port with PoE OUT |

Regulations & Approvals:

- FCC Rules Part 15
- CE

Physical Dimension:

PR100GB WxDxH: 132.1 x 90 x 28 (mm)
PR100GB-ODU WxDxH: 180 x 165 x 95 (mm)

Operating Environment:

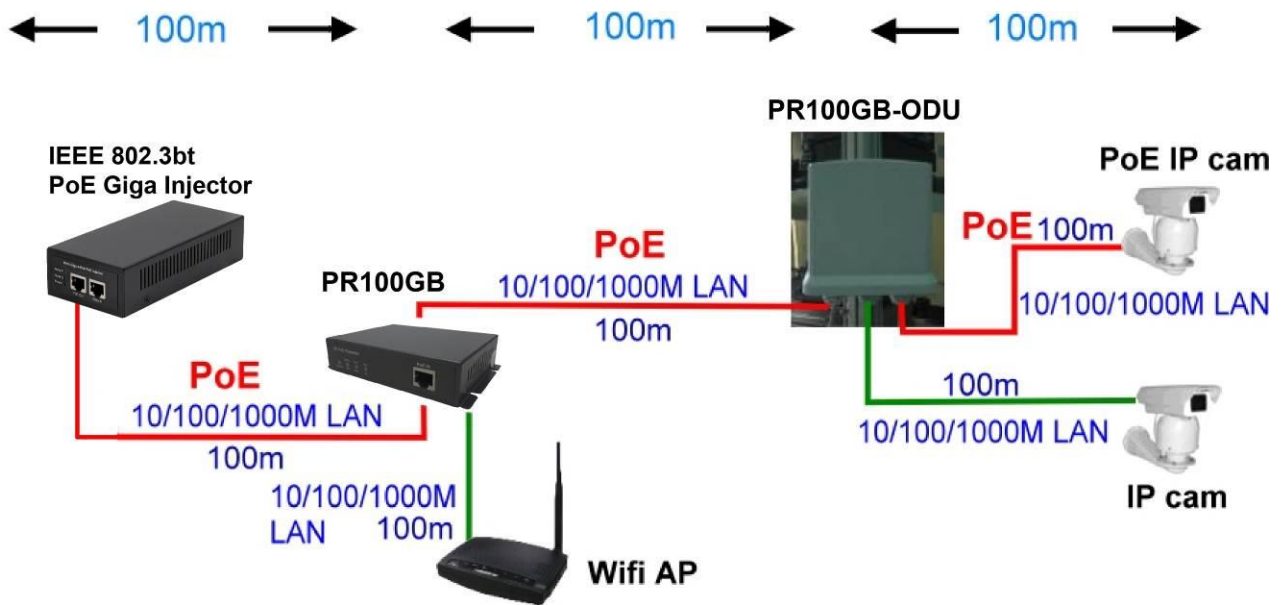
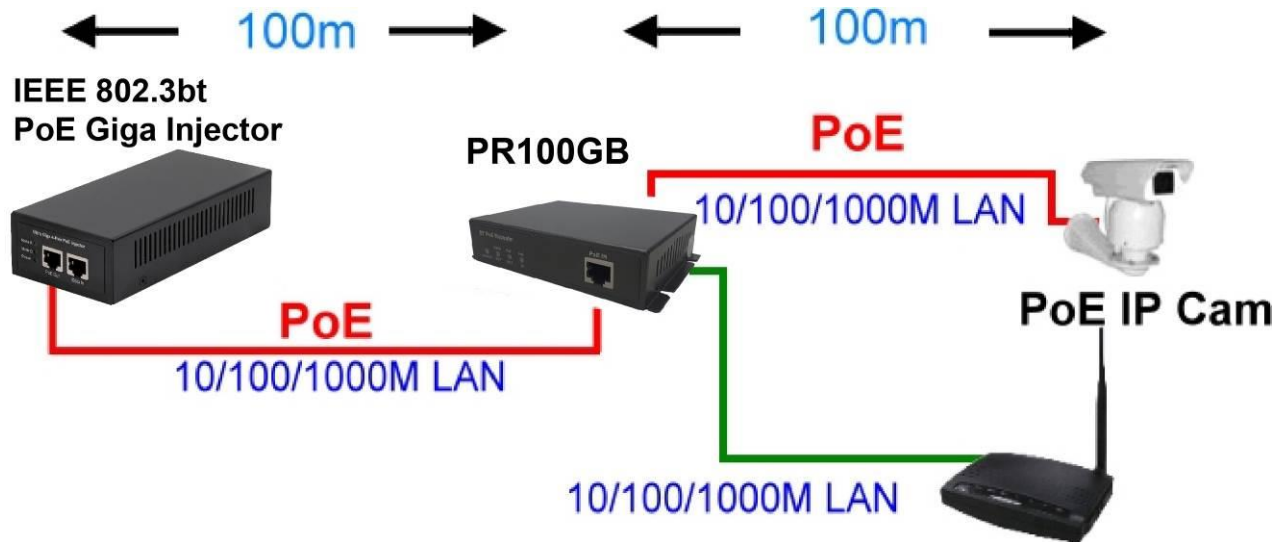
- Humidity: 5% to 95% non-condensing Temperature: 0 ~ 50 degree C

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Applications: IP Surveillances with PR100GB



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Power Test Results:

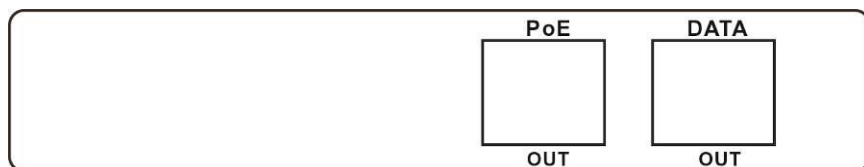
Max. Output Power of PR100GBs at distance 200~500 meters

Max. Power Test Results of PR100GB xN for 200~500meters connection from PoE BT Injector PU100GB														
Distance(m)	After 100M			PR100GB-1		After 100M			PR100GB-2					
	(V)	(A)	(W)	(VIN)	(VOUT)	(V)	(A)	(W)	(VIN)	(VOUT)				
500	48	1.45	69.6	47.7	56.3	51	1.03	53	50.8	56.5				
400	47	1.56	74	46.6	56.2	51	1.05	59	50.1	56.5				
300	47	1.62	78	46.1	56.2	50	1.2	61	49.8	56.5				
200	47	1.67	78	46.1	56.1									
Distance(m)	After 100M			PR100GB-3		After 100M			PR100GB-4		After 100M + Power Meter			
	(V)	(A)	(W)	(VIN)	(VOUT)	(V)	(A)	(W)	(VIN)	(VOUT)	(V)	(A)	(W)	
500	53	0.82	44	52.1	56.3	54	0.7	38	53	56.2	53	0.59	31.27	
400	52	0.91	47	51.6	56.6						53	0.66	34.98	
300											52	0.94	48.88	
200											50	1.21	60.5	

Front Panel



Rear Panel

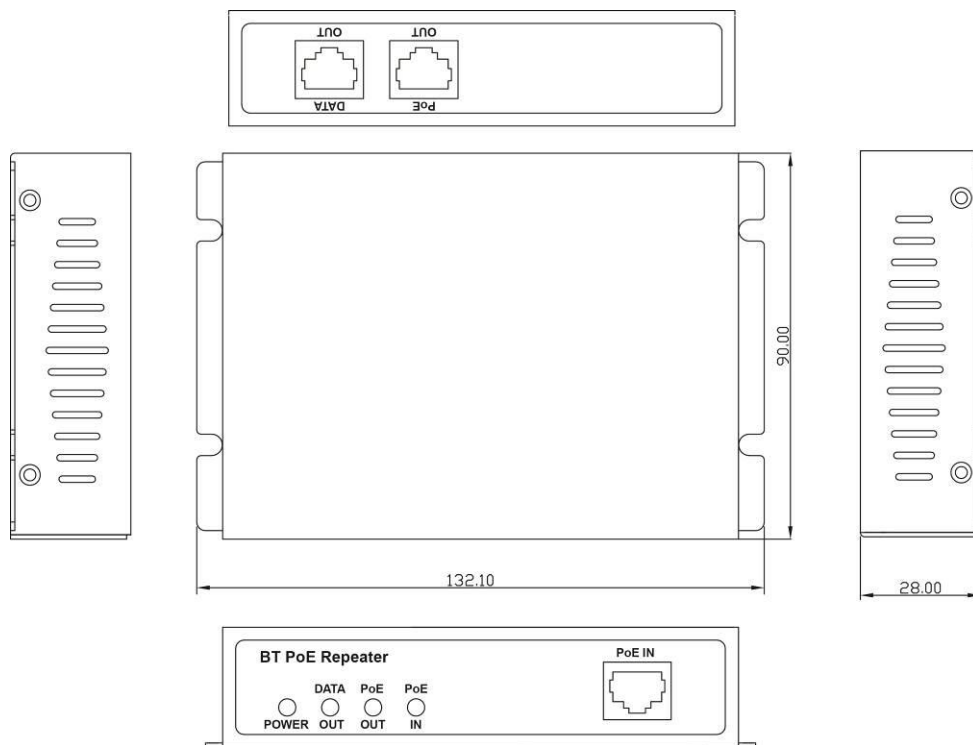


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Mechanical Drawing



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