

# PR100G

## Gigabit PoE Repeater



PR100G Front View



PR100G Rear View



PR100G-ODU  
Front View



PR100G-ODU  
Side View

PR100G is a Gigabit Power-over-Ethernet (PoE) Repeater providing a 10/100/1000Mbps Ethernet transmission for 100-meter distance with one Gigabit LAN port extending another 100-meter with power over Ethernet capability, plus another Gigabit LAN port without PoE. It forwards both 10/100/1000M Ethernet and PoE for another 330ft (100m) using an innovative power-processing scheme, and multiple units can be deployed in series for even longer distances without degradation in network speed or latency.

Powered by a Gigabit PoE switch (or gigabit PoE injector), PR100G requires no local power in the middle of the cable making it extremely easy to connect and power IP cameras for two or three times further.

For a simple application, a PR100G allows to connect one PoE Device (PD) located 200 meters away from the gigabit PoE switch. The gigabit PoE switch delivers PoE power over the first 100 meters of Cat5E cable to the PR100G, and the PR100G restores the Ethernet signal and forwards remaining PoE power to the PD 100m away. The PR100G requires no local power supply, and the PR100G presents no restriction to the Ethernet network connection. Outdoor units of PR100G are also available with IP65 rating enclosures.

### Yoda Communications, Inc.

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## Advantages:

- Extends 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 802.3af PoE and midspan PoE standard
- IP65 Weather-Proof for PR100G-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
- Port-based VLAN function for LAN ports (option)

### POWER:

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

### LED Indicators:

- **POWER:** Power is ON
- **POE IN:** Gigabit Port with PoE IN
- **POE OUT1:** Gigabit Port
- **POE OUT2:** Gigabit Port with PoE OUT

### Regulations & Approvals:

- FCC Rules Part 15
- CE

### Physical Dimension:

**PR100G** WxDxH: 120 x 90 x 28 (mm)

**PR100G-ODU** WxDxH: 180 x 165 x 95 (mm)

### Operating Environment:

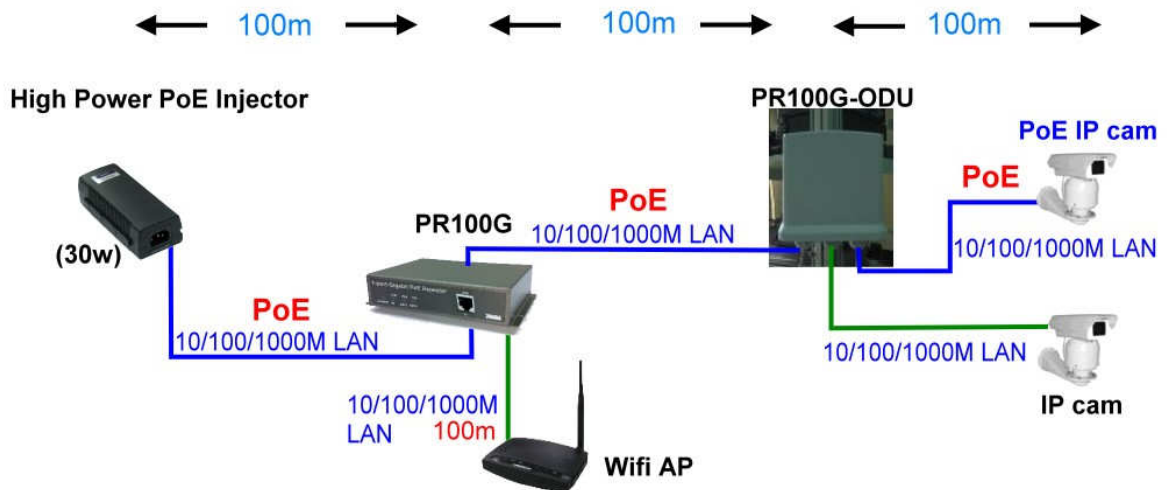
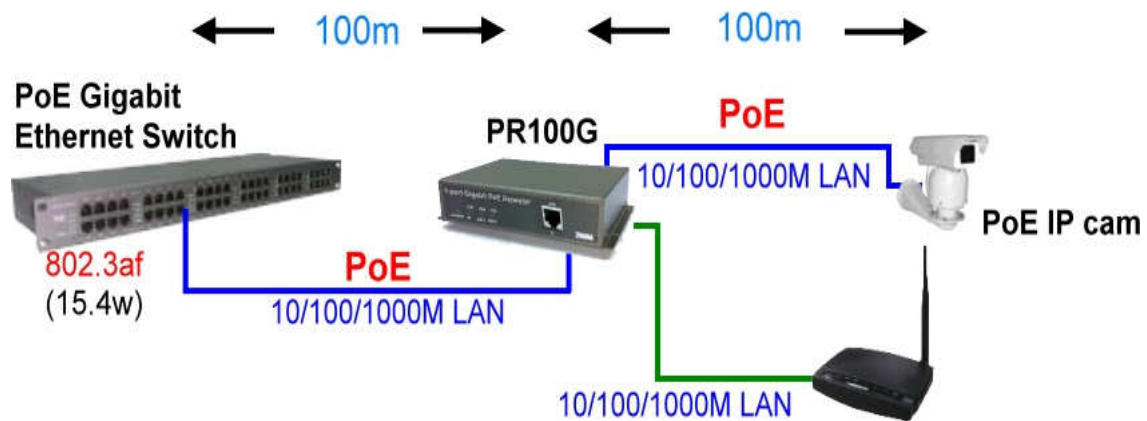
- Humidity: 5% to 95% non-condensing
- Temperature: 0 ~ 50 degree C

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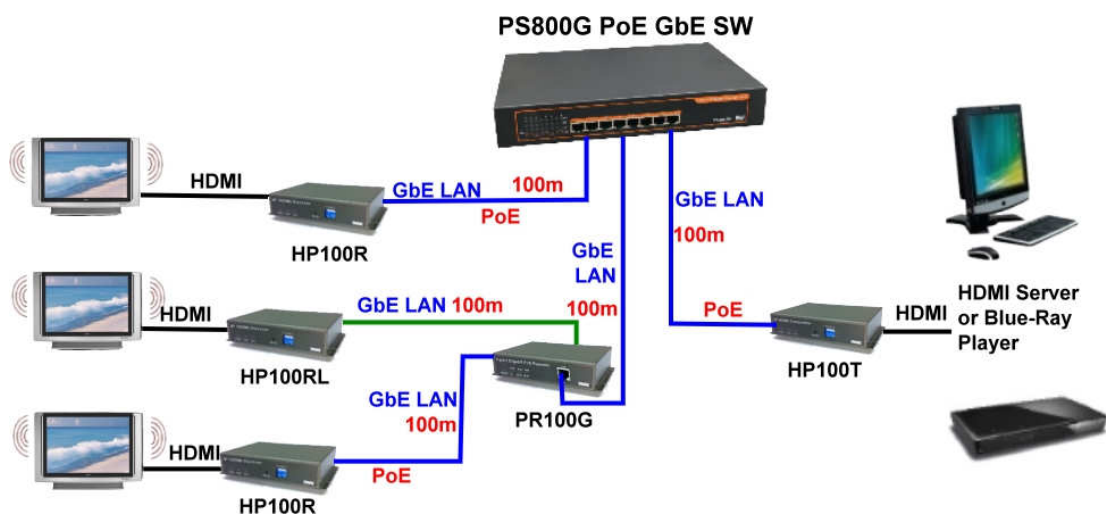
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## Application: IP Surveillances with PR100G



## Application: IP HDMI for Digital Signage with PR100G



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