

# PR102G

## 2-port Gigabit PoE Repeater



PR102G Front View



PR102G Rear View



PR102G-ODU  
Front View



PR102G-ODU  
Side View

PR102G is a 2-port Power-over-Ethernet (PoE) Repeater providing a 100/100/1000Mbps Ethernet transmission for 100-meter distance and with 2 individual Gigabit Power-Sourcing-Equipment (PSE) ports to extend another 100-meter. It forwards both 10/100/1000M Ethernet and PoE for 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), PR102G 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 PR102G allows to connect two 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 PR102G, and the PR102G restores the Ethernet signal and forwards remaining PoE power to the two PDs 100m away. With PR102G, each PD may have its own dedicated connection to the switch, and power cable installation to remote switches would not be required. 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
- 2-Port Ethernet Power Sourcing Equipment (PSE)
- 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 PR102G-ODU outdoor unit
- Simple to install – 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 Ports : RJ-45 Connector x 2
- 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 with PoE OUT
- **POE OUT2:** Gigabit Port with PoE OUT

### Regulations & Approvals:

- FCC Rules Part 15
- CE

### Physical Dimension:

**PR102G** WxDxH: 120 x 90 x 28 (mm)

**PR102G-ODU** WxDxH: 180 x 165 x 95 (mm)

### Operating Environment:

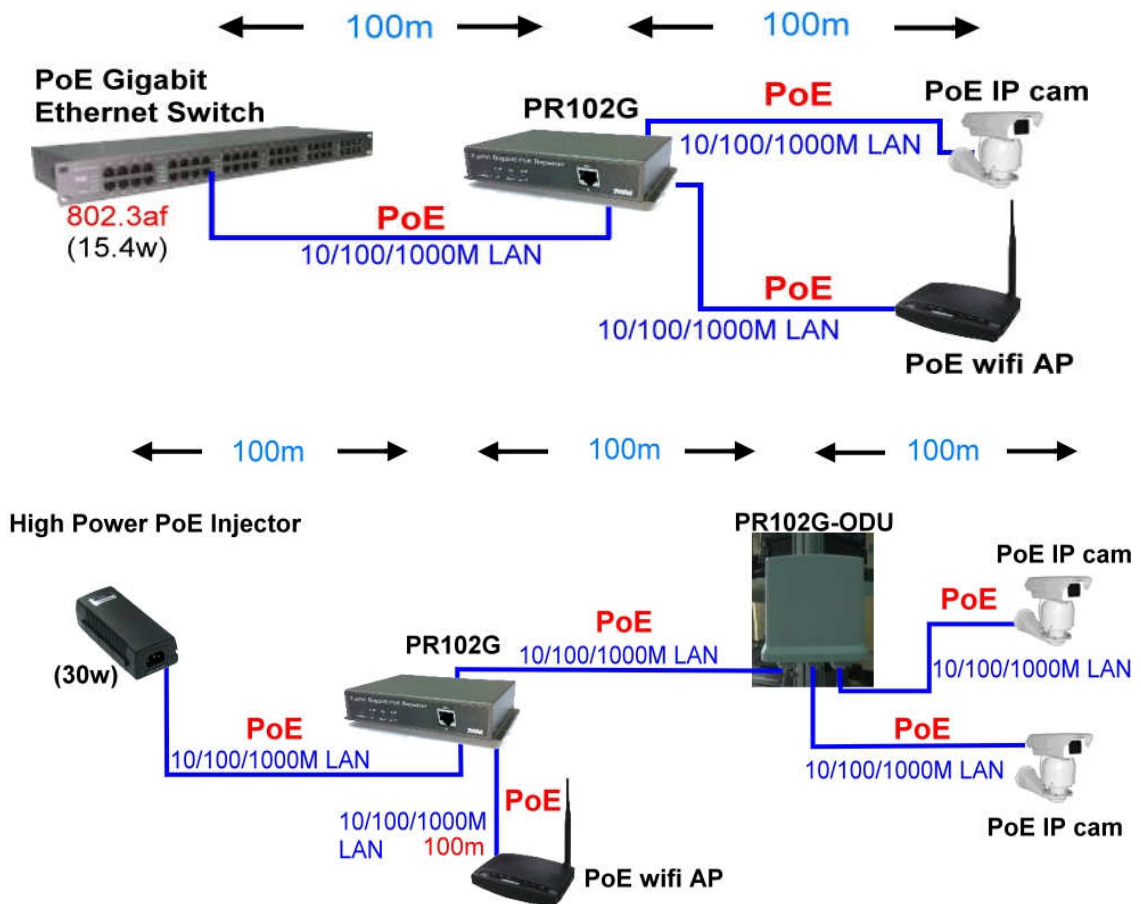
- Humidity: 5% to 95% non-condensing
- Temperature: 0 ~ 50 degree C

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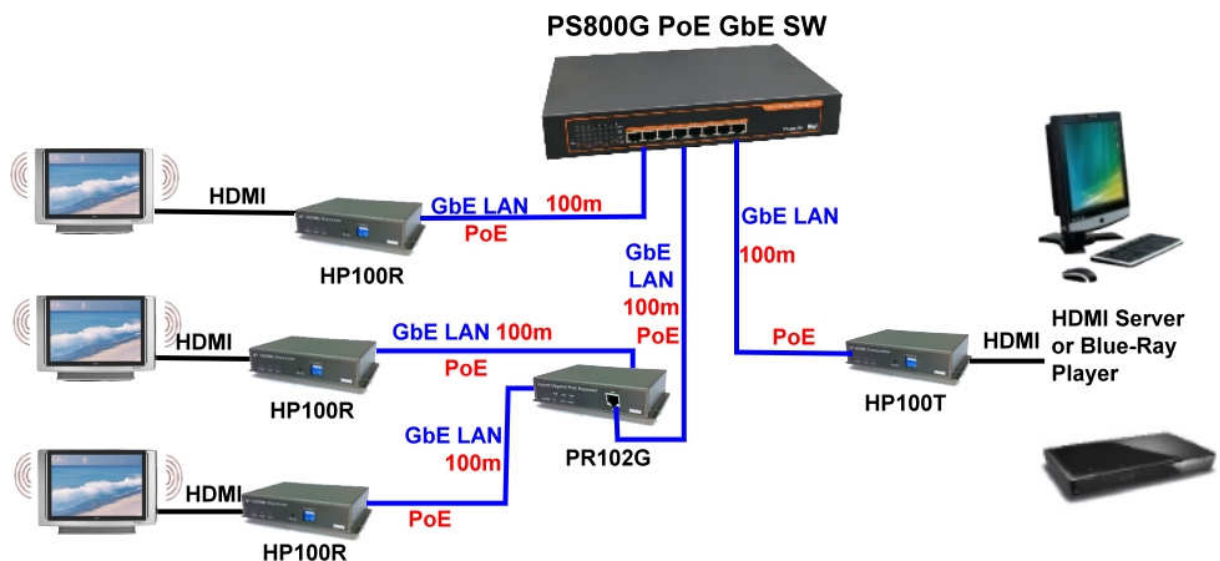
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## Application: IP Surveillances with PR102G



## Application: IP HDMI for Digital Signage with PR100G



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