

# LA-PE-G12-O-Y

Outdoor IP67 1Port Gigabit to 2Port Gigabit Repeater

IEEE802.3af/at/bt PoE++ 90w



## Overview

LA-PE-G12-O-Y is a outdoor IP67 PoE++ 90w, 1Port Gigabit to 2Port Gigabit Repeater, using network cable power supply technology, and can extend 1000Mbps Ethernet signal to 100m and provide 50-57V standard PoE for powered devices.

The repeater is industrial grade, with IP67 waterproof design and wide working temperature -20~75°C. It can withstand harsh environmental tests, and is suitable for security monitoring and network engineering.

## Features

### Provide 10/100/1000Mbps Ethernet ports

- 1\* input port, 2\* output ports

### PoE Compatibility

- All ports comply with IEEE802.3af, IEEE802.3at, IEEE802.3bt
- PoE output port can auto detect powered device and the output power
- Automatically distribute PoE for 1 or 2 PoE output ports as demand of the powered device
- Extends both Ethernet data and PoE to an additional 100 meters

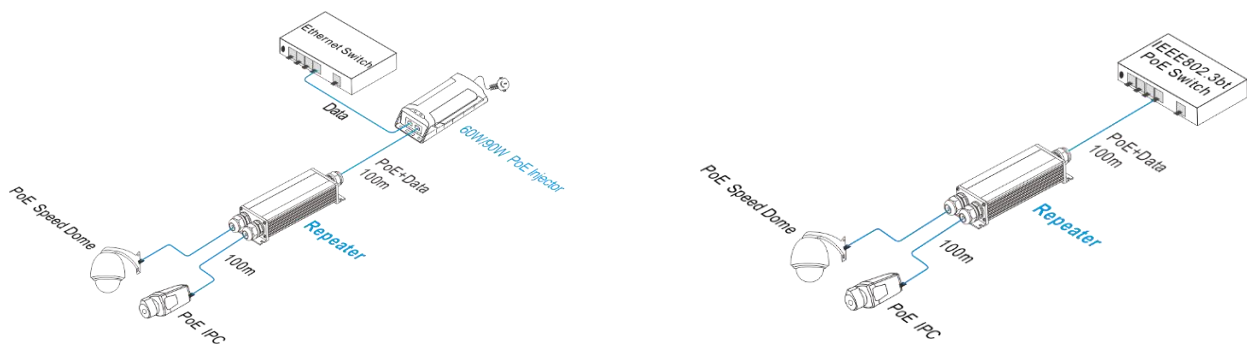
### Industrial Case and Installation

- Waterproof IP67-rated and IK10 aluminum case
- Wall-mount design
- Supports 6kV surge immunity and 8kV ESD protection
- Wide working temperature: -20~75°C
- No external power cable required for installation
- Plug and play installation

### Layer 2 Features

- Supports 2k MAC addresses, which allows the connection of more devices
- 10kB jumbo frame support in 1000Mbps duplex mode
- Automatic address learning and address aging
- IEEE 802.3x pause frame for full duplex, back pressure for half duplex

## Applications



## Transmission Performance

### 1 Repeater

PSE Output Power	90W	
Cable Type	Cat5e	Cat6
1 Repeater (101m)		
PD Input Power	60.5W	60.9W
1 Repeater (200m)		
PD Input Power	52W	53W

### 2 Repeaters

PSE Output Power	90W	
Cable Type	Cat5e	Cat6
2 Repeaters (201m)		
PD Input Power	48.2W	49.4W
2 Repeaters (300m)		
PD Input Power	37.5W	38.9W

### 3 Repeaters

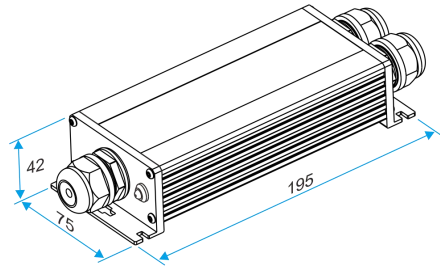
PSE Output Power	90W	
Cable Type	Cat5e	Cat6
3 Repeaters (301m)		
PD Input Power	33.6W	34.8W
3 Repeaters (400m)		
PD Input Power	22.5W	24W

## Specifications

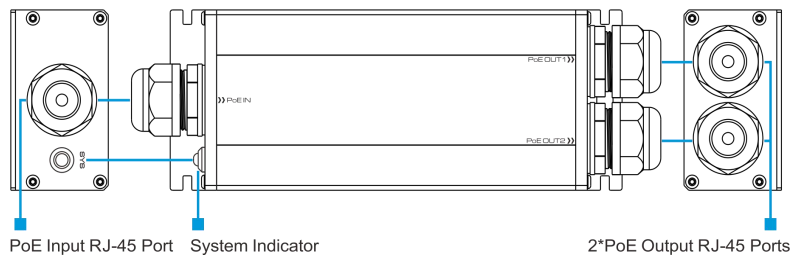
Ethernet Ports	
PoE Input Port	1*10/100/1000Base-TX RJ-45
PoE Output Port	2*10/100/1000Base-TX RJ-45
PoE	
PoE Standard	IEEE 802.3af/at/bt
PoE Power Supply Type	End-span, Mid-span
PoE Pin Assignment	1/2(-), 3/6(+), 4/5 (+), 7/8 (-)
Input Voltage	50~57V DC, max 90W
PoE Output Power	65W(max)
Single Port PoE Output Power	60W(max)
Switch Property	
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Forwarding Modes	Store and forward
Transmission Distance	Extend 100m by 1pcs, max. 400m when 3pcs in cascade
MAC Table	2k
Switching Capacity	6Gbps
Packet Forwarding Rate	4.46Mpps
Flow Control	IEEE 802.3x pause frame for full duplex, Back pressure for half duplex
Jumbo Frame	10kB
Environment	
Surge Immunity	6kV, Standard: IEC61000-4-5
ESD Protection	6kV Contact Discharge, 8kV Air Discharge, Standard: IEC61000-4-2
Enclosure	IP67-rated and IK10 aluminum case
Operating Temperature	-20°C~75°C
Storage Temperature	-40°C~85°C
Operating Humidity	0~95% (No condensation)
Physical Parameters	
Dimensions (W*D*H)	195mm*75mm*42mm
Net Weight	519g±10g

Casing	Metal Shell
Installation	Wall-mounted
<b>Certifications</b>	
Certifications	CE, FCC, RoHS

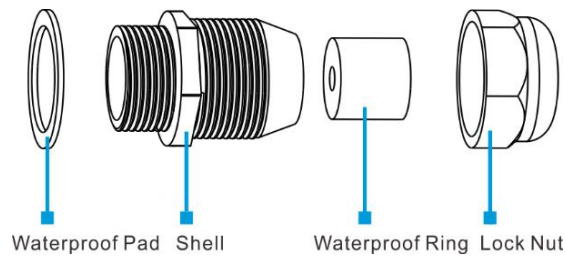
### Dimension(mm)



Front



Interfaces and Indicator



Waterproof Joint

### Ordering Information

PART NO.	DESCRIPTION
LA-PE-G12-O-Y	IP67 1-Port Gigabit PoE++ to 2-Port Gigabit PoE++ Repeater



<https://www.lanaotek.com>



Specifications & design are subject to change without prior notice.

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