

# Wireless CPE/AP



**SUN-PROOF**



**RAIN-PROOF**



**LIGHTNING  
-PROOF**



**FREEZE  
-PROOF**



## LONG RANGE

**1000mw** Wireless transmission power

## 150Mbps

Wireless speed up to 150Mbps

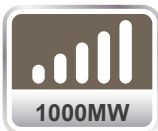
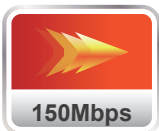
## Outdoor High Power Wireless CPE

## 7OW501

7inova 7OW501 Outdoor High Power Wireless Bridge CPE 150Mbps features up to 1000mw Wireless transmission power, has a built-in 12dBi antenna which provides an efficient way to pick up and maintain a stable signal for a wireless network connection ranging multiple kilometers.

7OW501 Outdoor High Power Wireless Bridge CPE 150Mbps operates seamlessly in the 2.4GHz frequency spectrum and provides wireless data transfer rates of up to 150Mbps. is designed to provide a WISP connection and long distance wireless networking solution.

7OW501 adopts dustproof, waterproof for the case, can work in different outdoor environments. For easy to manage, it supports PoE and remote reset function

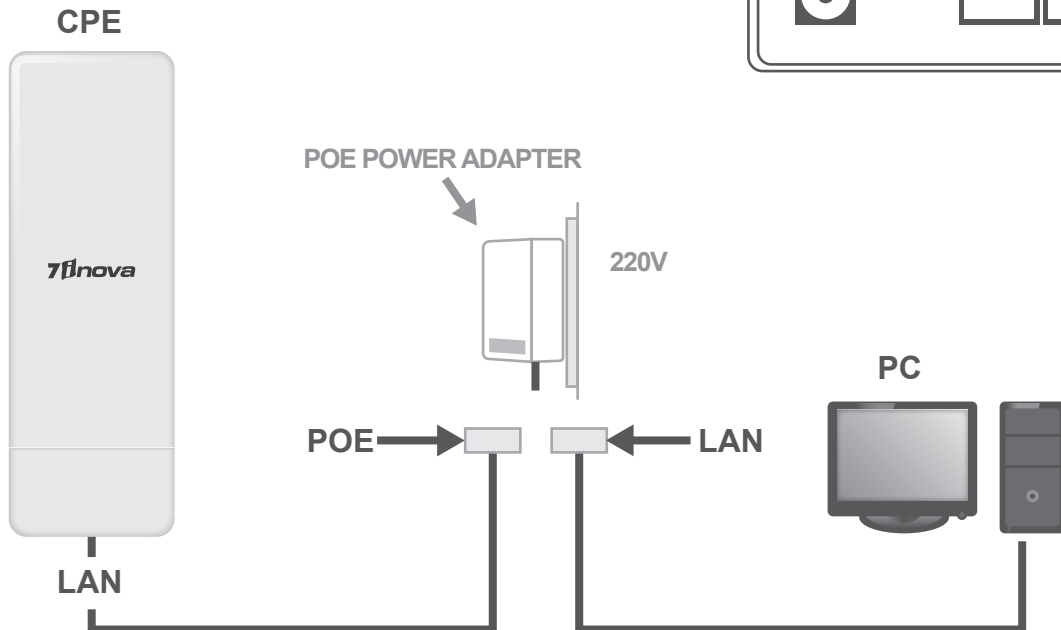
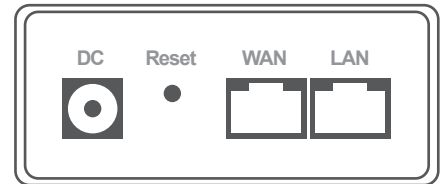


# Features

- Wireless speed up to 150Mbps
- Built-in 12dBi high gain directional antennas
- Wireless modes: Gateway / Bridge / WISP / AP / CPE
- Wireless users access control
- WISP mode and AP function can be using at same time
- Supports UPnP, DDNS, static routing, VPN Pass-through
- Supports virtual server, special application and DMZ host ideal for creating a website within your LAN
- Passive PoE Support for Flexible Deployment
- Outdoor ABS waterproof, 4000V lightning/15KV ESD protection design suitable for various environments

## CPE Device Interface

WAN port and LAN port support POE 12V/24V power supply



# Physical Information

**Casing Color:** White

**Physical Dimensions:**

L:235 x W:75 x H:57mm

**Unit weight:** 200 grams

**LED Indicators:** Power, WLAN, WAN, LAN

**Antenna:**

Built-in intelligent directional antenna

**External Connectors:**

- 1 x RJ-45 WAN port
- 1 x One RJ-45 LAN port
- 1 x Power Interface
- 1 x Reset to default button/WPS button

**Accessories:**

- 1 x 7OW501 Outdoor CPE
- 1 x PoE Box & Power Adapter
- 1 x User Manual
- 1 x Mounting Kit



## Technical Specifications

**Standards:**

- IEEE 802.3(Ethernet)
- IEEE 802.3u(Fast Ethernet)
- IEEE 802.11b/g/n(2.4G WLAN)

**Frequency Band:** 2.4GHz-2.4835GHz

**RF:** 1T1R

**Through Output:** 150Mbps

**Radio type:**

- IEEE 802.11b: DSSS(CCK/DQPSK/DBPSK)
- IEEE 802.11g: OFDM(64-QAM, 16-QAM, QPSK, BPSK)
- IEEE 802.11n: OFDM(BPSK/QPSK/16-QAM/ 64-QAM)

**Data Rate:**

- 11n: 150/135/121.5/108/81/54/40.5/27/13.5Mbps
- 130/117/104/78/52/39/26/13Mbps
- 65/58.5/52/39/26/19.5/13/6.5Mbps
- 11g: 54/48/36/24/18/12/9/6M (adaptive)
- 11b: 11/5.5/2/1M (adaptive)

**Access Protocol:** CSMA/CA、CSMA/CD、TCP/IP、ICMP、NAT、PPPoE、DHCP、Wired static、Wifi Client、UDP、DDNS

**Wireless Mode:** Gateway / Bridge / WISP / AP / CPE

**Security:**

- WEP Encryption-64/128/152 bit
- WPA/WPA2 Personal (WPA-PSK using TKIP or AES)
- WPA/WPA2 Enterprise (WPA-EAP using TKIP)
- Hide SSID
- MAC/IP address &URL filtering
- Wireless STA (Client) connected list

**RF Output Power(Typical):**

- 802.11n: 25±2dBm for OFDM mode
- 802.11g: 27±2dBm for OFDM mode
- 802.11b: 30±2dBm fro CCK mode

**Receive Sensitivity:**

- 11n : -72±2dBm@10% PER
- 11g : -75±2dBm@10% PER
- 11b : -92±2dBm@8% PER

**Power requirement:**

Output DC12V(POE 12V/24V), 1A;Input 110V/220V  
**Antenna:**12dBi Panel Antenna

**Operation Temperature:** 0°C ~ 40°C ambient temperature

**Storage Temperature:** -20% ~ 70% ambient temperature

**Humidity:** 10% ~ 90% (Non-condensing)

**NOTE:** Specifications subject to change without prior notice.

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