



## OW-2000 APP:

OW-2000 Access Point ( IP67 )

### Key Features

- High Speed Data Rate Up to 54Mbps
- Output Power up to 17 dBm (23dBm, 26dBm optional requirement)
- IEEE 802.11b/g Compliant
- Point-to-point, Point-to-multipoint Wireless Connectivity
- WEP/WPA/WPA2/ IEEE 802.1x Authenticator support
- WDS (Wireless Distribution System)
- Dust tight and Watertight and Weatherproof (IP67)
- Wide temperature range and robust mechanical design
- Power-over-Ethernet (IEEE802.3af Compliant)
- RoHS Compliance
- Watch Dog function:  
Reboot the system while some situations make the system locks up.

### Overview

The OW2000APP Outdoor Wireless Multi-Client Bridge/Access Point/WDS (wireless distribution system) operates seamlessly in the 2.4 GHz frequency supporting the IEEE 802.11b/802.11g wireless standards. It's the best way to add wireless capability to your existing wired network, or to add bandwidth to your existing wireless installation.

To secure your wireless connectivity, it can encrypt all wireless transmissions through 64/128-bit WEP data encryption and also supports WPA/WPA2. A MAC address filter lets you select exactly which stations should have access to your network. With the Wireless Multi-Client Bridge/Access Point/WDS, you'll experience the best wireless connectivity available today.

### Specification

- **Data Rates:** 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps
- **Standards:** IEEE802.11b/g, IEEE802.1x, IEEE802.3, IEEE802.3u
- **Compatibility:** IEEE 802.11g/ IEEE 802.11b
- **Power Requirements:** Active Ethernet (802.3af) -48 VDC/0.375A
- **RF Information:** Atheros BB/MAC/RF
- **Frequency Band:** 2.400~2.484 GHz
- **Media Access Protocol:**  
Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)
- **Modulation Technology:**  
Orthogonal Frequency Division Multiplexing (OFDM),  
DBPSK @ 1Mbps,  
DQPSK @2Mbps,  
CCK @ 5.5 & 11Mbps,  
BPSK @ 6 and 9 Mbps,  
QPSK @ 12 and 18 Mbps,  
16-QAM @ 24 and 36 Mbps,  
64-QAM @ 48 and 54 Mbps
- **Operating Channels:**  
11 for North America, 14 for Japan, 13 for Europe, 2 for Spain, 4 for France
- **Receive Sensitivity (Typical):** -72dBm@54Mbps
- **Available transmit power(Typical):**  
17dBm@1, 2, 5.5 and 11Mbps,  
17dBm@6Mbps,  
14dBm@54Mbps
- **Antenna:** 5dBi External
- **Antenna Connector:** SMA Type
- **Networking Topology:** Ad-Hoc, Infrastructure
- **Operation Mode:**  
Point-to-Point/ Point-to-Multipoint Bridge/ AP/ Client Bridge/ WDS
- **Interface:** One 10/100Mbps RJ-45 LAN Port
- **Security:** IEEE802.1x authenticator /RADIUS client (EAPMD5/TLS/TTLS) support in AP mode WPA / Pre Share KEY (PSK)/TKIP MAC address filtering Hide SSID in beacons Layer 2 Isolation
- **IP Auto-configuration:** DHCP client/server
- **Management Configuration:** Web-based configuration (HTTP)
- **Firmware Upgrade:** Upgrade firmware via web browser
- **Physical Dimensions:** 209.1(L)mm x 165.4(W)mm x 61.5(H)mm
- **Weight:** 500g (1.1 lbs)
- **Environmental Temperature Range:**  
-Operating: -20°C to 70°C (-4°F to 158°F)  
-Storage: -40°C to 80°C (-40°F to 176°F)
- **Humidity (non-condensing):** 5%~95% Typical
- **Package Contents:**  
---Water tight Outdoor Wireless Client Bridge unit  
---48V, 0.375AAC/DC adapter with wall-plug power code  
---Inline Power Injector (PoE)  
---1.8m Grounding Cable  
---30m Ethernet Cable

- User's manual CD-ROM
- Wall mounting kit
- Mast mounting kit
- **Regulation Certifications:** FCC Part 15/UL, ETSI 300/328/CE
- **Packing Information**

Carton Dimensions (mm)	pcs/Carton	N.W (KG)	G.W (KG)
523x489x267	4	14.8	15.8

### Ordering Information

- **Model**

<b>OW2000APPNG67AU</b>	OW-2000 WIRELESS ACCESS POINT NORMAL POWER 802.11 b/g 5dBi US
<b>OW2000APPNG67AE</b>	OW-2000 WIRELESS ACCESS POINT NORMAL POWER 802.11 b/g 5dBi EU