



**OW-2000 APD (High Power):** OW-2000 Access Point ( IP68 )

**Key Features**

- High Power: Max: 30dBm
- High Speed Data Rate Up to 54Mbps
- Output Power up to 17 dBm
- 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 (IP68)
- Lightning Protection
- Wide temperature range and robust mechanical design
- Power-over-Ethernet (IEEE802.3af Compliant)

**Overview**

The OW2000APD 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/0.38A
- **Regulation Certifications:** FCC Part 15/UL, ETSI 300/328/CE
- **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):** 30dBm ±3dBm@1, 2, 5.5 and 11Mbps, 30dBm ±3dBm @6Mbps, 28dBm ±3dBm @54Mbps
- **Antenna:** 5dBi External
- **RF Connector:** N-Type connector
- **Networking Topology:** Ad-Hoc, Infrastructure
- **Operation Mode:** Point-to-Point/ Point-to-Multipoint Bridge/ AP/ Client Bridge/ WDS
- **Interface:** One 10/100Mbps waterproof connector
- **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:** 284(L) x 251(W) x 67(H) mm
- **Weight:** 3100g ( 6.8lbs)
- **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 Access point unit  
Inline Power Injector (PoE)  
3m Grounding Cable  
1.8m Ethernet Cable  
30m Ethernet Cable  
User's manual CD-ROM  
Wall mounting kit  
Mast mounting kit