

Designed with the most innovative 802.11g technology, WAP-6000 provides 54Mbps high data rate for outdoor environment, which is about 30 times faster than T1 and ADSL connection speed. There are four operating modes supported in WAP-6000: AP, AP with WDS (Bridge), Wireless Client, and Repeater. The multiple operation modes selection makes WAP-6000 suitable for widely open space applications such as WISPs, campuses, and airports. In addition to 64/128/152-bit WEP encryption, WAP-6000 integrates WPA, and WPA-PSK to secure the information of your wireless LAN.



The special designed housing allows WAP-6000 to be installed in exposed locations under the rigorous weather conditions including heavy rain, wind, and snow. Provided with web-based interface, WAP-6000 is easy to be installed and managed. The PoE (Power over Ethernet) design reduces power cables installation cost and offers more flexibility while selecting the location of WAP-6000. With all these advanced features, WAP-6000 is the ideal solution for outdoor networks.

### Key Features

Wireless LAN IEEE802.11b/g compliant

Solid housing provides protection against rigorous weather conditions

Four operating modes support: AP, AP with WDS (Bridge), Wireless Client, and Repeater

Strong network security with 64/128/152-bit WEP encryption, WPA and WPA-PSK

One detachable reverse N-type male connectors can connect to external antenna for expanding connection distance

5 levels of adjustable transmit power control

Super G mode raises the data rate up to 108Mbps

Support DHCP Client

Provides "Connection Status" indication for Repeater and Client modes

Power over Ethernet design

### Application

#### AP mode

A first mile solution is now simple with PLANET WAP-6000. No wiring is needed and the bandwidth provided can be up to 54Mbps. By installing WAP-6000 equipped with omnidirectional antenna in the user's neighborhood, all users around the AP can easily connect to the Internet through the access point by installing a wireless PCI card. By using a directional antenna, the distance between users and WAP-6000 can be easily extended.



#### Bridge mode

Wiring inside your own building may be an easy job, but it is hard if network cabling needs to route through some public areas or difficult wiring environments. WAP-6000 is dedicated to provide a high-speed solution for connecting two or more buildings' wired Ethernets together.



**SPECIFICATION**

|                               |  |                                      |
|-------------------------------|--|--------------------------------------|
| Model                         | WAP-6000   |                                      |
| Standard                      | IEEE 802.11b, 802.11g  |                                      |
| Signal Type                   | DSSS (Direct Sequence Spread Spectrum)   |                                      |
| Modulation                    | OFDM with BPSK, QPSK, 16QAM, 64QAM, DBPSK, DQPSK, CCK  |                                      |
| Port                          | 10/100Mbps RJ-45 port * 1  |                                      |
| Antenna Connector             | Reverse N-type male * 1  |                                      |
| Output Power                  | 18dBm@11Mbps / 14dBm@54Mbps (typical)<br>5 levels adjustable (Full, Half, Quarter, Eighth, Minimum)  |                                      |
| Sensitivity                   | -74dBm@54Mbps OFDM, 10% PER<br>-88dBm@11Mbps CCK, 8% PER   |                                      |
| Operating Mode                | AP, AP with WDS (Bridge), Wireless Client, Repeater  |                                      |
| Security                      | WEP setting<br>- Authentication type: Open System / Shared Key<br>- Shared keys input type: HEX / ASCII<br>- Shared keys length: (64-bit, 128-bit, 152-bit)<br>- Default WEP Key to use (1-4)<br>WPA-PSK setting<br>- PassPhrase<br>- WPA Cipher Type (Auto, TKIP, AES)<br>- Group Key Update Interval: 300<br>WPA setting<br>- Radius Server IP Address<br>- Radius Port: 1812<br>- WPA Cipher Type (Auto, TKIP, AES)<br>- Shared KeyGroup Key Update Interval: 300 |                                      |
| Data Rate                     | Super G mode   | Up to 108Mbps                        |
|                               | 802.11g  | Up to 54Mbps (6/9/12/18/24/36/48/54) |
|                               | 802.11b  | Up to 11Mbps (1/2/5.5/11)            |
| Dimensions (L x W x H)        | 232 x 185 x 62mm   |                                      |
| Weight                        | 1130g  |                                      |
| Environmental Specification   | Operating temperature: -20 - 70 degree C<br>Storage temperature: -30 - 80 degree C<br>Relative humidity: 0% - 90% (non-condensing)   |                                      |
| Power Requirement             | 12V DC, 2.0A   |                                      |
| Electromagnetic Compatibility | FCC, CE  |                                      |

**ALLWAN SECURITY**

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