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 omni-directional 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

<table>
<thead>
<tr>
<th>Model</th>
<th>WAP-6000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>IEEE 802.11b, 802.11g</td>
</tr>
<tr>
<td>Signal Type</td>
<td>DSSS (Direct Sequence Spread Spectrum)</td>
</tr>
<tr>
<td>Modulation</td>
<td>OFDM with BPSK, QPSK, 16QAM, 64QAM, DBPSK, DQPSK, CCK</td>
</tr>
<tr>
<td>Port</td>
<td>10/100Mbps RJ-45 port * 1</td>
</tr>
<tr>
<td>Antenna Connector</td>
<td>Reverse N-type male * 1</td>
</tr>
</tbody>
</table>
| Output Power   | 18dBm@11Mbps / 14dBm@54Mbps (typical)  
|                | 5 levels adjustable (Full, Half, Quarter, Eighth, Minimum) |
| Sensitivity    | -74dBm@54Mbps OFDM, 10% PER  
|                | -88dBm@11Mbps CCK, 8% PER |
| Operating Mode | AP, AP with WDS (Bridge), Wireless Client, Repeater |

### Security
- **WEP setting**
  - Authentication type: Open System / Shared Key
  - Shared keys input type: HEX / ASCII
  - Shared keys length: (64-bit, 128-bit, 152-bit)
  - Default WEP Key to use (1-4)
- **WPA-PSK setting**
  - PassPhrase
  - WPA Cipher Type (Auto, TKIP, AES)
  - Group Key Update Interval: 300
- **WPA setting**
  - Radius Server IP Address
  - Radius Port: 1812
  - WPA Cipher Type (Auto, TKIP, AES)
  - Shared Key Group 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)

<table>
<thead>
<tr>
<th>Dimensions (L x W x H)</th>
<th>232 x 185 x 62mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>1130g</td>
</tr>
</tbody>
</table>

### Environmental Specification
- Operating temperature: -20 - 70 degree C
- Storage temperature: -30 - 80 degree C
- Relative humanity: 0% - 90% (non-condensing)

### Power Requirement
12V DC, 2.0A

### Electromagnetic Compatibility
FCC, CE

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**ALLWAN SECURITY**
Tel : 0 825 600 625  
www.allwan.fr