# 802.11g Wireless LAN Outdoor CPE AP

With the most innovative 802.11g technology designed, the WAP-6100 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-6100 which are: AP, Wireless Client, Repeater, and Bridge. Except for 64/128/152-bit WEP encryption, WAP-6100 integrates WPA and WPA-PSK to secure the information of your wireless LAN.

The special designed housing allows the WAP-6100 to be installed in exposed locations under the rigorous weather conditions including heavy rain and wind. With web-based interface provided, the WAP-6100 is easy to be installed and managed. The PoE (Power over Ethernet) design reduces the cost of power cables installation and offers high flexibility while selecting the location of WAP-6100. All these advanced features and the built-in 12dBi patch antenna make WAP-6100 a suitable CPE solution for widely open space applications such as WISPs, campuses, and airports.

## KEY FEATURE

- Wireless LAN IEEE802.11b/g compliant

- Solid housing provides protection against rigorous weather conditions

- Four operating modes support: AP, Wireless Bridge, Wireless Client, and Repeater

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

- Built-in 12dBi patch antenna

- 5 levels of adjustable transmit power control

- Super G mode raises the data rate up to 108Mbps

- Supports DHCP Client

- Provides "Connection Status" indication for Repeater and Client modes
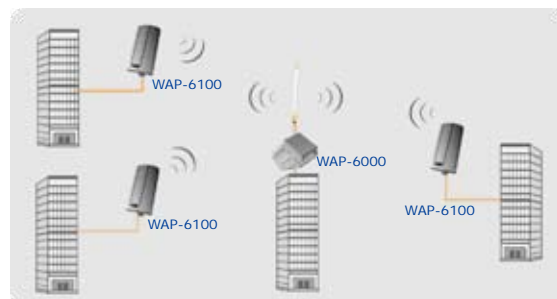
- Power over Ethernet design

## SPECIFICATION

| Product | 802.11g Wireless LAN Outdoor CPE AP |
|---|---|
| Model | WAP-6100 |
| 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 x 1 |
| Antenna | Built-in 12dBi patch antenna |
| Output Power | 18dBm@11Mbps /17dBm@54Mbps (typical) |
| | 5 levels adjustable (Full, Half, Quarter, Eighth, Minimum) |
| Sensitivity | -74dBm@54Mbps OFDM, 10% PER |
| | -88dBm@11Mbps CCK, 8% PER |
| Operating Mode | AP, Wireless 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 (TKIP, AES) |
| | • Group Key Update Interval: 300 |
| | **WPA Setting** |
| | • Radius Server IP Address |
| | • Radius Port: 1812 |
| | • WPA Cipher Type (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) |

| | |
|---|---|
| Dimensions (L x W x H) | 185 x 106 x 62 mm |
| Weight | 400g |
| Environmental Specification | Operating Temperature: -10~70 Degree C |
| | Storage Temperature: -30~80 Degree C |
| | Relative Humanity: 0%~90% (non-condensing) |
| Power Requirement | 48V DC, 0.4A |
| Electromagnetic Compatibility | FCC, CE |

## APPLICATIONS

### Cost-effective LAN to LAN Connection

It is an easy job to install wiring inside your own building, but it is hard if network cabling needs to route through some public areas or difficult wiring environments. A cost-effective solution is being provided now. The system integrator can use WAP-6000 with omni-directional antenna in central site, and apply several WAP-6100 on all satellite sites to connect these wired Ethernets together.



## ORDERING INFORMATION

| WAP-6100 | 802.11g Wireless LAN Outdoor CPE AP |
|---|---|

07-06       C-WAP6100