

802.11a/b/g Wireless LAN Outdoor AP



PLANET Technology introduces the latest outdoor wireless solution- the wireless LAN outdoor Dual Band AP, WAP-8000, that provides higher transmission speed, higher power, better performance but is designed in mini-size housing for outdoor wireless application. The WAP-8000 is not only compatible with IEEE802.11b/g, but also IEEE802.11a, the data rate up to 108 Mbps with Super A or Super G mode. With N-type antenna connector, it allows versatile antenna installations and multiple adjustable transmit output power controller, therefore, the WAP-8000 is quite suitable for widely open space applications.

The WAP-8000 supports multiple operation modes: AP, AP Client, and Bridge to conveniently configure versatile solutions in a wide range of wireless scenarios. It also supports WISP mode so CPE users could easily connect to internet via WISP provider or connect to wired network. In security aspect, besides 64/128 WEP encryption, the WAP-8000 integrates WPA-PSK, WPA2 -PSK authority to secure and protect your wireless LAN. More advanced features in the WAP-8000 includes MAC/IP filter to help restrict illegal access to your local network, and disable SSID Broadcast to ensure complete network protection. Furthermore, SNMP management module enables the administrator to configure multiple access points from a single location. Via the web-based interface, the WAP-8000 is easily to be managed and configured.

With IP 68 code housing design and widely industrial temperature range, the WAP-8000 could be installed in exposed locations under the rigorous weather conditions such as heavy rain or wind, freezing or burning hot environment. With the proprietary Power over Ethernet (PoE) design, the WAP-8000 can be easily installed in the areas where power outlets are not available. It is the best way using WAP-8000 to build outdoor wireless access applications between building to building on campuses, business or rural areas and etc.

KEY FEATURES

- IEEE 802.11a/b/g standards compliant
- Provides protection against rigorous weather conditions
- Wide range of temperature tolerance for low or high temperature environment
- High output power up to 400mW with multiple adjustable transmit power control
- Data rate up to 108Mbps with Super A/G mode
- Power over Ethernet design (with proprietary injector)
- N-type Antenna connector for various installation
- Multiple Wireless Access Modes: AP, AP Client, Bridge, WISP
- MAC filtering
- Supports WEP 64/128, WPA- PSK, WPA2-PSK Authentication
- SNMP management

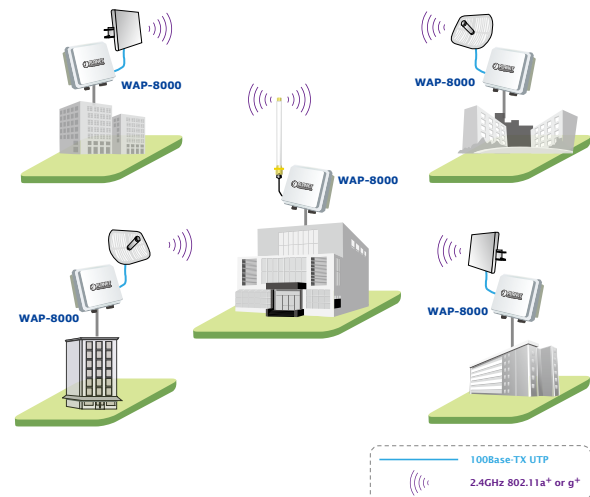
APPLICATIONS

Higher coverage & long distance between LAN connections

WAP-8000 is a cost-effective outdoor wireless solution for widely open space applications. It is best applied in outdoor wireless connections between buildings.

With built-in N-type Antenna connector and high output power with multiple adjust Tx controller, the WAP-8000 provides higher coverage and long distance wireless connection and also allows CPE users to easily install and adjust the suitable value in appropriate locations. The WISP mode supported enables CPE users connect to internet via local WISP provider.

**Sincerely suggest matching the same model in outdoor wireless bridge application for getting best performance.



SPECIFICATION

Product	802.11n Wireless Broadband Router
Model	WAP-8000
Standard	IEEE802.11a/b/g IEEE802.3/u
Interface	Wireless IEEE802.11a/b/g LAN: 1x 10/100BaseTX, Auto-MDI/MDIX
Data Rate	802.11b: Up to 11 Mbps 802.11a/g: 54Mbps; up to 108Mbps (Super A/G mode)
Modulation	BPSK, QPSK, CCK and OFDM
Frequency Range	IEEE802.11b/g: 2412 ~ 2462 MHz (N.A) 2412 ~ 2472 MHz (EU) 2412 ~ 2484 MHz (Japan) IEEE802.11a: 5150 MHz – 5250 MHz (Japan) 5150 MHz–5350 MHz /5470 MHz-5725 MHz (Europe) 5150 MHz –5350 MHz / 5725 MHz-5850 MHz (USA)
Opt. Channel	IEEE802.11b/g: 1 ~ 11 channels (North America) 1 ~ 13 channels (General Europe) 1 ~ 14 channels (Japan) IEEE802.11a: 4 Channels (Japan) 19 Channels (Europe) 13 Channels (USA)
RF Output Power	11b: 11Mbps @ 25dbm 2Mbps @ 25dbm 11g: 54Mbps @ 22dbm 6Mbps @ 25dbm 11a: 54Mbps @ 18dbm 6Mbps @ 21dbm
Receiver Sensitivity	802.11b: 11Mbps (CCK): -82dBm 5.5Mbps (CCK): - 86dBm 1, 2Mbps (BPSK, QPSK): - 90dBm (typically @PER < 8% packet size 1024 and @25°C + 5°C) 802.11a/g: 54Mbps (64QAM): -66dbm 48Mbps (64QAM): -71dbm 36Mbps (16QAM): -78dbm 24Mbps (16QAM): -80dbm 18Mbps (QPSK): -81dbm 12Mbps (QPSK): -82dbm 9Mbps(BPSK): -85dbm 6Mbps (BPSK): -87dbm (typically @PER < 10% packet size 1024 and @25°C + 5°C)
Wireless Security	WEP64/128, WPA-PSK, WPA2-PSK
Antenna	1x N-Type connector

ORDERING INFORMATION

WAP-8000	802.11a/b/g Wireless LAN Outdoor AP
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RELATED PRODUCTS

CB-STP-25	25 Meters STP Cat5 Cable
WL-LTN	Lightning Arrester (N male to N female)
ELA-100	Ethernet Lightning Arrest Box

RELATED PRODUCTS

ANT-FP18	18dBi Flat-Panel Directional Antenna
ANT-FP18A	5GHz 18dBi Flat Panel Antenna
ANT-GR21	2.4GHz 21dBi Grid Directional Antenna
ANT-OM10A	5GHz 10dBi Omni-directional Antenna
ANT-OM15	15dBi Omni Directional Antenna
ANT-OM8	8dBi Omni-directional Antenna
ANT-SE17A	5GHz 16.5dBi Sector Antenna
ANT-SE18	12-18dBi Adjustable Sector Antenna
ANT-YG13	13dBi Yagi Directional Antenna
ANT-YG20	20dBi Yagi Directional Antenna