

2.4GHz 802.11n Wireless Outdoor Access Point

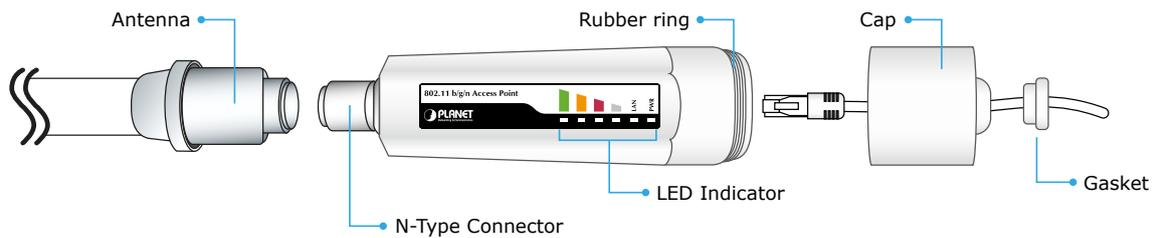


Flexible Outdoor Wireless Network

PLANET WNAP-6306 Wireless Outdoor Access Points brings users greatly more flexibility in extending outdoor wireless coverage as it is designed to be easily attached to the antenna directly. With built-in N-Type antenna connector, the WNAP-6306 can directly connect with various type and high gain antenna* to cover wide range and deliver much farther wireless connection over 10Km. Adopting IEEE 802.11n advanced 1T1R MIMO technology; the WNAP-6306 provides reliable wireless network coverage and incredible improvement in the wireless performance. It can deliver data rate up to 150Mbps, which is three times faster than normal 802.11g wireless devices.

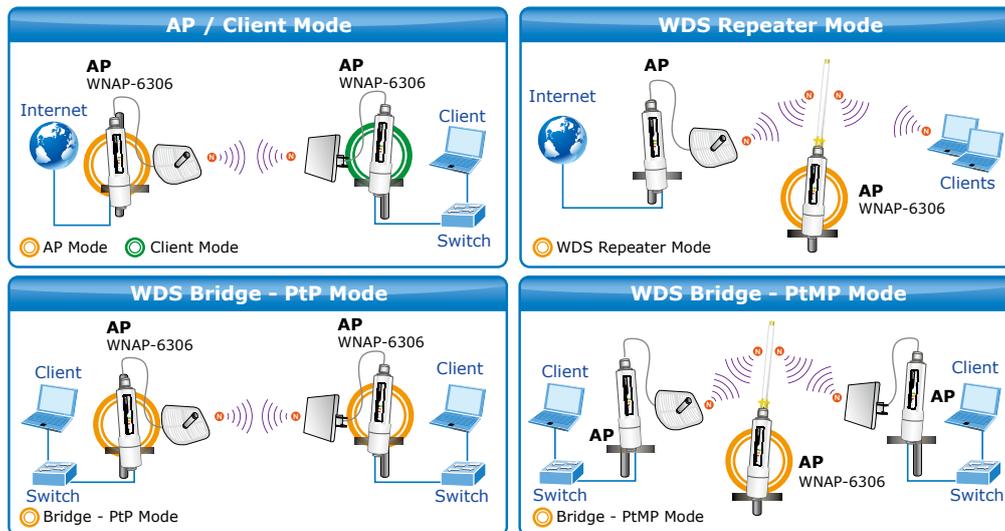
Easy Plug-n-Link

The WNAP-6306 especially benefits users to easily build outdoor wireless network with its Plug-n-Link capability via the built-in N-Type antenna connector. The N-Type antenna connector is most commonly adapted with outdoor antenna and the mounting-free design of outdoor enclosure. Users can directly plug the WNAP-6306 into the mounted antenna, and then the wireless link is constructed immediately. Therefore, even users who never experience the wireless network installation can accomplish the wireless deployment quickly.



Multiple Operating & Wireless Modes

The WNAP-6306 supports multiple wireless communication connectivity (AP / Client CPE / WDS PtP / WDS PtMP / Repeater / Universal Repeater), allowing various applications and giving users more comprehensive experience. It also helps user to easily build wireless network and extend the wireless range of existing wireless network.



Advanced Security and Management

In aspect of security, besides 64/128-bit WEP encryption, the WNAP-6306 integrates WPA / WPA2, WPA-PSK and WPA2-PSK to protect your wireless LAN security. It provides wireless MAC filtering and SSID broadcast control to consolidate the wireless network security and prevent unauthorized wireless connection. Furthermore, the WNAP-6306 features the Dual-SSID function to enable you setup two different wireless networks with the WNAP-6306 serving as a virtual access point for segmented networks tailored to any office or industrial need.

Perfect Solution for Outdoor Environment

The WNAP-6306 is perfectly suitable to be installed in outdoor environments and exposed locations. With its IP65 casing protection, the WNAP-6306 can perform stably under rigorous weather conditions such as heavy rain and wind. The WNAP-6306 applies the proprietary Power over Ethernet (PoE) design, so it can be easily installed in any area where power outlets are unavailable. It is the best way using the WNAP-6306 to build outdoor wireless access applications between buildings on campuses, businesses, rural areas and etc.

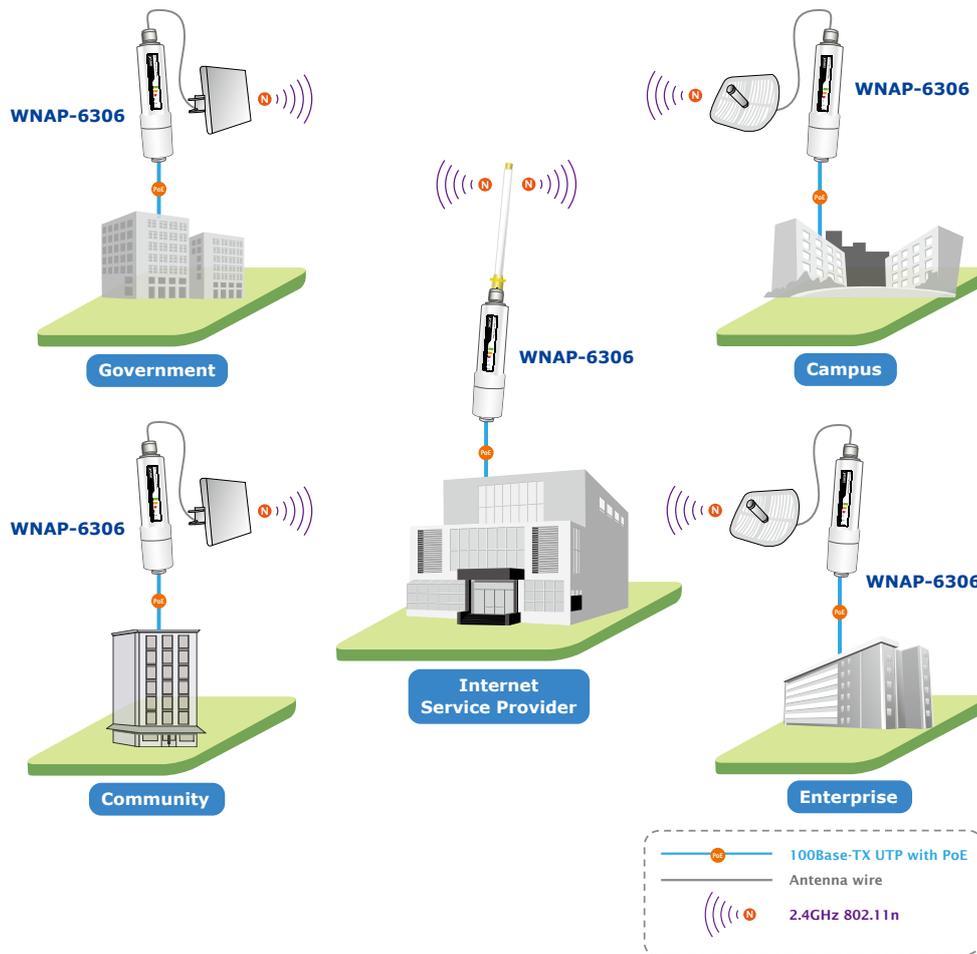
APPLICATIONS

Longer distance coverage between LAN connections

The WNAP-6306 is a cost-effective outdoor wireless solution for widely open space applications. It is best suitable for outdoor wireless connections between buildings.

With built-in N-type Antenna connector and high output power with multiple adjust Tx controller, the WNAP-6306 provides higher coverage and longer distance wireless connection. It also allows users to easily install CPE devices and adjust the suitable value in appropriate locations.

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



KEY FEATURES

INDUSTRIAL COMPLIANT WIRELESS LAN & LAN

- Compliant with IEEE 802.11n wireless technology capable of up to 150Mbps data rate
- Backward compatible with 802.11b/g standard
- Equipped with 10/100Mbps RJ-45 LAN Port, Auto MDI/ MDI-X supported

RF INTERFACE CHARACTERISTICS

- Built-in N-Type Antenna Connector
- High Output Power with multiple adjustable transmit power control

OUTDOOR ENVIRONMENTAL CHARACTERISTICS

- IP65 Enclosure, Passive Power Over Ethernet Design
- Operating Temperature: -20 ~ 70 Degree C

MULTIPLE OPERATION & WIRELESS MODE

- Multiple Wireless Modes: AP, Client, WDS PtP / PtMP, Repeater, Universal Repeater

- Dual-SSID capable

SECURE NETWORK CONNECTION

- Supports Software Wi-Fi Protected Setup (WPS)
- Advanced security: 64/128-bit WEP, WPA/WPA2, WPA-PSK/ WPA2-PSK(TKIP/AES)
- MAC Filtering up to 20 clients

EASY INSTALLATION & MANAGEMENT

- User friendly Web-Based UI with On-line Help
- System status monitoring includes DHCP Client, Associated List, System Log
- DHCP Server, UPnP support
- Wireless LED Thresholds for antenna alignment
- Wake-On-LAN(WOL) support to allow remotely wake up a WOL enabled host
- Easy deployment with mounting-free mechanism
- Easy Plug-n-Link with lightweight design

SPECIFICATION

Product	2.4GHz 802.11n Wireless Outdoor Access Point
Model	WNAP-6306
Hardware Specification	
Standard support	IEEE 802.11b/g IEEE 802.11n IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3x Flow Control
Memory	16 Mbytes DDR SDRAM 4 Mbytes Flash
Interface	Wireless IEEE 802.11b/g/n LAN: 1 x 10/100Base-TX, Auto-MDI/MDIX
Antenna	Built-in N-Type (N-Male) Antenna Connector
Enclosure	IP65 waterproof case
PoE	Passive PoE LAN RJ-45 Pin Assignment: ■ PIN 4,5(+) ■ PIN 7(Reset) ■ PIN 8(GND)
Power Requirements	18V DC, 0.7A (switching)
Dimension (Ø x H)	46 x 205 mm
Weight	192g
Wireless Interface Specification	
Frequency Band	2.4~2.4835GHz
Modulation	Transmission/Emission Type: DSSS / OFDM Data modulation type: OFDM with BPSK, QPSK, 16-QAM, 64-QAM, DBPSK, QPSK, CCK
Data Rate	802.11b: 11, 5.5, 2 and 1 Mbps with auto-rate fall back 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6Mbps 802.11n (20MHz): up to 72Mbps 802.11n (40MHz): up to 150Mbps
Opt. Channel	America/ FCC: 2.414~2.462GHz (11 Channels) Europe/ ETSI: 2.412~2.472GHz (13 Channels) Japan/ TELEC: 2.412~2.484GHz (14 Channels)
RF Output Power	802.11b: 20 ± 1dBm 802.11g: 19 ± 1dBm 802.11n: 16 ± 1dBm
Receiver Sensitivity	802.11b: -84dBm 802.11g: -68dBm 802.11n (20MHz): -65dBm 802.11n (40MHz): -62dBm

Media Access Control	CSMA/CA
Output Power Control	Range 1~100, default:100
Wireless Management Features	
Wireless Mode	<ul style="list-style-type: none"> ■ AP ■ Client ■ WDS PtP ■ WDS PtMP ■ WDS Repeater (AP+WDS) ■ Universal Repeater (AP+Client)
Channel Width	20MHz / 40MHz
Encryption Security	64/128-bits WEP WPA, WPA-PSK WPA2, WPA2-PSK
AP Isolation/WLAN Partition	Able to isolate each connected wireless client from each other to access mutually.
Wireless Security	Wireless MAC address filtering WPS (WiFi Protected Setup) Enable/Disable SSID Broadcast
B/G Protection Mode	A protection mechanism prevents collisions among 802.11b/g modes
Association List	Display current status of the wireless client associated with AP
Max. Wireless Client	25
Software	
LAN	Built-in DHCP server supporting static IP address distributing DHCP Reserve
Access Control	MAC filtering up to 20 MAC address
Max. Wired Client	60
Applications & Game Management	UPnP support Web UI, DHCP Client, WOL
Diagnostic tool	System Log
Environment & Certification	
Operation	Temperature: -20~70 Degree C Humidity: 10~95% non-condensing
Storage	Temperature: -30~80 Degree C Humidity: 5~95% non-condensing
Regulatory	CE / RoHS

ORDERING INFORMATION

WNAP-6306	2.4GHz 802.11n Wireless Outdoor Access Point
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RELATED PRODUCT

CB-STP-25	25 Meters STP Cat5 Cable
ELA-100	Ethernet Lightning Arrest Box

ACCESSORIES

ANT-OM8	8dBi Omni Directional Antenna
ANT-OM15	15dBi Omni Directional Antenna
ANT-FP9	9dBi Flat Panel Directional Antenna
ANT-FP18	18dBi Flat-Panel Directional Antenna
ANT-SE18	12-18dBi Adjustable Sector Antenna
ANT-YG13	13dBi Yagi Directional Antenna
ANT-YG20	20dBi Yagi Directional Antenna
ANT-GR21	21dBi Grid Directional Antenna
WL-LTNA	2.4/5GHz Lightning Arrester (N-male to N-female)

