2.4GHz 802.11n Wireless Outdoor Access Point

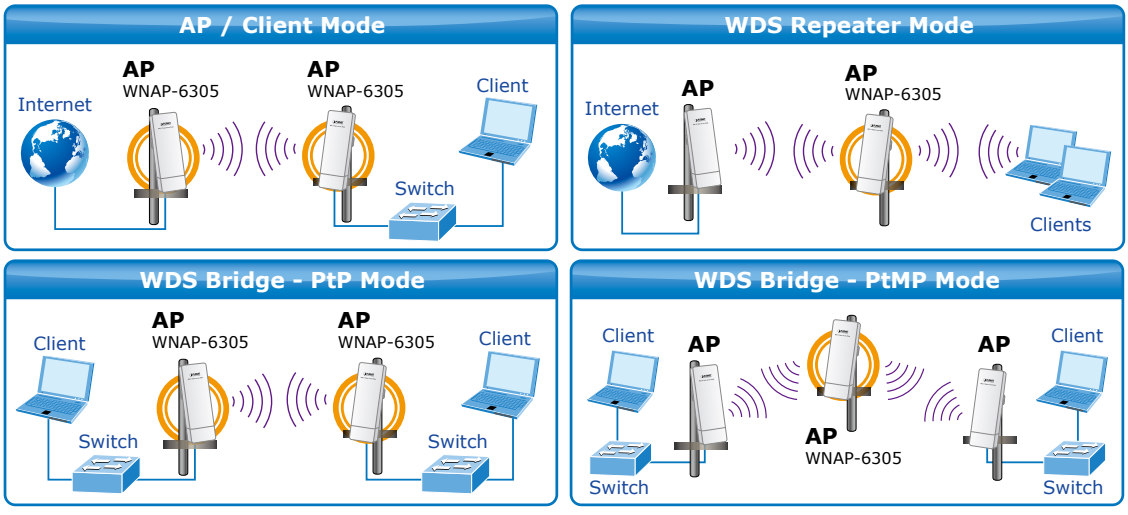
High Power Outdoor Wireless Coverage

PLANET Technology introduces the latest high power outdoor wireless LAN solution - the outdoor wireless AP, WNAP-6305. It provides **higher transmit power**, **better performance**, and **widely coverage**. The WNAP-6305 is compatible with **IEEE 802.11b/g/n standard** and the data rate support is up to 150Mbps in 802.11n mode. The WNAP-6305 not only has built-in 9dBi panel Antenna but also reserves one SMA-Type Antenna Connector to allow versatile antenna installations and multiple adjustable transmit output power controller. Therefore, the WNAP-6305 is quite suitable for widely open space applications.

Multiple Operating & Wireless Modes

The WNAP-6305 supports multiple wireless communication connectivity (AP / Client CPE / WDS PtP / WDS PtMP / Repeater / Universal Repeater), allowing for various application requirements that gives user more comprehensive experience when using WNAP-6305. It also helps user to easily build wireless network and extend the wireless range of existed wireless network.

The WNAP-6305 also supports WISP mode, so CPE users could easily connect to Internet via WISP provider or connect to a wired network.

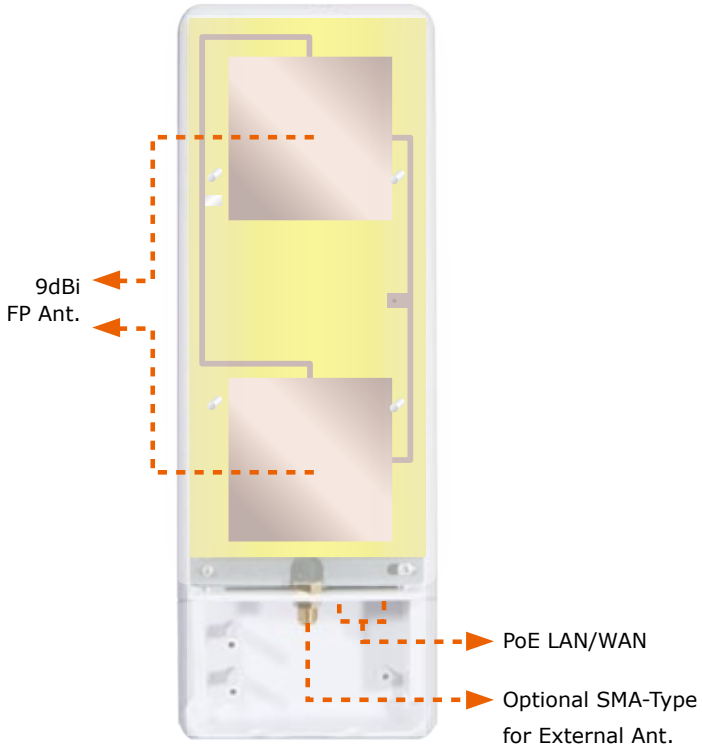


Advanced Security and Management

In aspect of security, besides 64/128- bit WEP encryption, the WNAP-6305 integrates WPA / WPA2, WPA-PSK / WPA2-PSK and 802.1x authority to secure and protect your wireless LAN. The wireless MAC filtering and SSID broadcast control consolidate the wireless network security and prevent unauthorized wireless connection.

Highly Reliable Outdoor Device

The WNAP-6305 is perfectly suitable to be installed in outdoor environments and exposed locations. With its IP 55 casing protection, the WNAP-6305 can perform normally under rigorous weather conditions including heavy rain and wind. With the proprietary Power over Ethernet (PoE) design, the WNAP-6305 can be easily applied in the areas where power outlets are not available. It is the best way using the WNAP-6305 to build outdoor wireless access applications between buildings on campuses, business, rural areas and etc.



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 Ports for LAN & WAN, Auto MDI/MDI-X supported

FIXED-NETWORK BROADBAND ROUTER

- Supported connection types: Dynamic IP/ Static IP / PPPoE / PPTP / L2TP
- Supports multiple sessions IPSec, L2TP and PPTP VPN passthrough
- Supports Virtual Server, DMZ and Port Forwarding for various networking applications
- Supports DHCP Server, UPnP, and Dynamic DNS

RF INTERFACE CHARACTERISTICS

- Built-in 9dBi Directional Antenna
- High Output Power Up to 600mW with multiple adjustable transmit power control
- Reserve RP-SMA Type Connector

OUTDOOR ENVIRONMENTAL CHARACTERISTICS

- IP-55 Enclosure
- Passive Power Over Ethernet Design
- Reset Button on PoE Injector
- Operating Temperature: -20~70 Degree C

MULTIPLE OPERATION & WIRELESS MODE

- Multiple Operation Modes: Bridge, Gateway, Ethernet Converter
- Multiple Wireless Modes: AP, Client CPE(WISP), WDS PtP, WDS PtMP, Repeater, Universal Repeater

SECURE NETWORK CONNECTION

- Supports Software Wi-Fi Protected Setup (WPS)
- Advanced security: 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK(TKIP/AES), and 802.1x Authentication
- Supports NAT firewall features, with SPI function to protect against DoS attacks
- Supports IP / Protocol-based access control and MAC Filtering

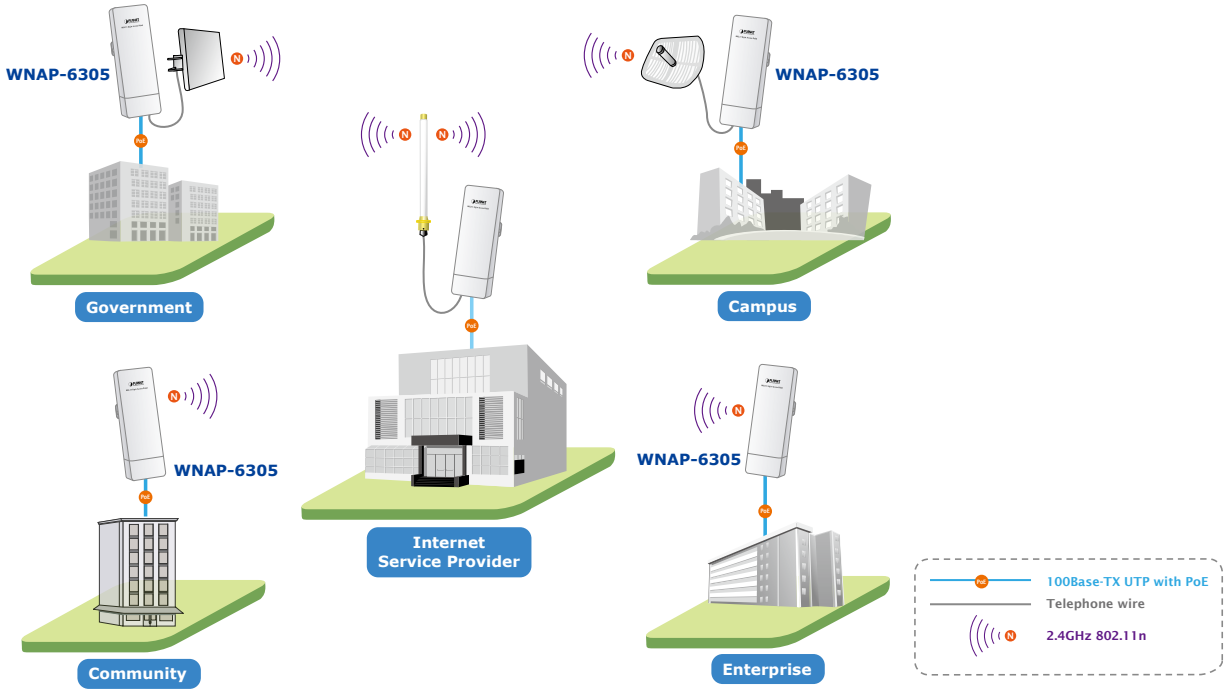
EASY INSTALLATION & MANAGEMENT

- Web-Based UI and Quick Setup Wizard for easy configuration
- Remote Management allows configuration from a remote site
- System status monitoring includes DHCP Client and System Log

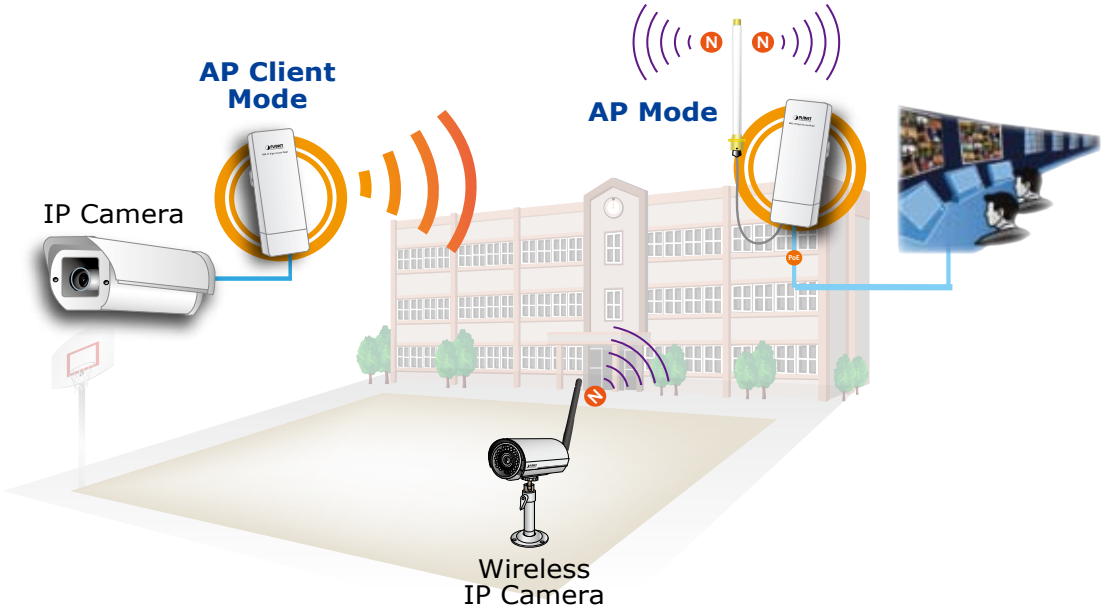
Applications

Longer distance coverage between LAN connections

The WNAP-6305 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 SMA-type Antenna connector and high output power with multiple adjust Tx controller, the WNAP-6305 provides higher coverage and longer 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 to connect to Internet via local WISP provider.



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

SPECIFICATION

Product	2.4GHz 802.11n Wireless Outdoor Access Point
Model	WNAP-6305
Hardware Specification	
Standard support	IEEE802.11b/g IEEE 802.11n IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3x Flow Control
Chipset	Ralink RT3050
Memory	16 Mbytes DDR SDRAM 4 Mbytes Flash
Interface	Wireless IEEE 802.11b/g/n LAN: 1 x 10/100Base-TX, Auto-MDI/MDIX WAN: 1 x 10/100Base-TX, Auto-MDI/MDIX
Antenna	**Internal (Default): 9dBi directional antenna (Vertical-Polarization)** ■ Horizontal: 60 degree ■ Vertical: 30 degree **External (Option): RP-SMA type Connector** ■ Switchable by Software ■ For External Antenna Mode, attach antenna before power on
Enclosure	IP55 waterproof case
PoE	Passive PoE / 12V DC Reset Button on PoE Injector LAN RJ-45 Pin Assignment: PIN 4(+), PIN 7,8(-), PIN 5(Reset)
Dimension (W x D x H)	225 x 77 x 60 mm
Weight	255g
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: 27 ± 1dBm 802.11g: 26 ± 1dBm 802.11n: 22 ± 1dBm
Receiver Sensitivity	802.11b: -93dBm 802.11g: -91dBm 802.11n: -89dBm
Media Access Control	CSMA/CA
Output Power Control	Range 1~100, default:100
Power Requirements	12V DC, 1A (switching)
Wireless Management Features	
Wireless Mode	■ 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 802.1X
Wireless Isolation	Able to isolate each connected wireless clients for independent access.
Wireless Security	Provides wireless LAN ACL (Access Control List) filtering 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
Max. Wireless Client	25
Max. WDS AP	4
Software	
LAN	Built-in DHCP server supporting static IP address distributing
	Supports UPnP
	Supports IGMP Proxy, DNS Proxy
	Supports 802.1d STP - Spanning Tree Protocol
WAN Protocol	■ Static IP ■ DHCP (Dynamic IP) ■ PPPoE ■ PPTP ■ L2TP
VPN Passthrough	■ PPTP ■ L2TP ■ IPSec
Operating Mode	■ Bridge ■ Gateway ■ Ethernet Converter (WISP)
Firewall	NAT firewall with SPI (Stateful Packet Inspection)
	Built-in NAT server supporting Port Forwarding (Virtual Server), and DMZ
	Built-in firewall with Port / IP address / MAC / URL filtering
Max. Wired Client	60
NTP	Network Time Management
Management	Web UI, DHCP Client, Configuration Backup & Restore, Dynamic DNS
Diagnostic tool	System Log
Environment & Certification	
Operation	Temp.: -20~70 Degree C Humidity: 10~95% non-condensing
Storage	Temp.: -30~80 Degree C Humidity: 5~95% non-condensing
Regulatory	CE / FCC / RoHS

Ordering Information

WNAP-6305	2.4Hz 802.11n Wireless Outdoor Access Point

Related Products

CB-STP-25	25 Meters STP Cat5 Cable
ELA-100	Ethernet Lightning Arrest Box
WNL-U555HA	802.11n Wireless High Power USB Adapter
ICA-HM316W	2 Mega-Pixel 11n Outdoor IR IP Camera

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-LTN	Lightning Arrester (N male to N female)
WL-SMA-0.6	0.6M RP-SMA(M) to N(M) Cable
WL-SMA-6	6M RP-SMA(M) to N(M) Cable

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