

5GHz 802.11a/n Wireless Outdoor Access Point

High Power Outdoor Wireless Coverage

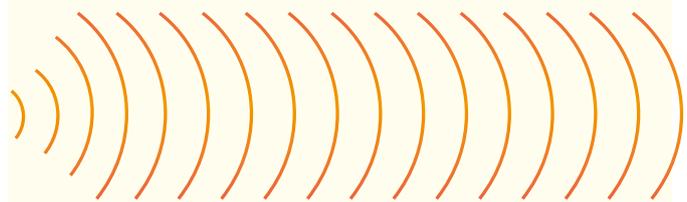
PLANET Technology introduces the latest high power outdoor wireless LAN solution - the outdoor wireless AP, WNAP-7205. It provides **higher transmit power, better performance, and widely coverage** than standard outdoor wireless AP. The WNAP-7205 is compatible with **IEEE 802.11a/n standard** supporting the data rate up to 150Mbps in 802.11n mode. The WNAP-7205 not only has built-in 16dBi panel Antenna but also reserves one RP-SMA Type Antenna Connector to allow versatile antenna installations and multiple adjustable transmit output power controller. Therefore, the WNAP-7205 is quite suitable for widely open space applications.



5GHz
Up to **24**
non-overlapping
channels



More free channels, less interference, better connections



2.4GHz
Only **3**
non-overlapping
channels

= Wireless Interference

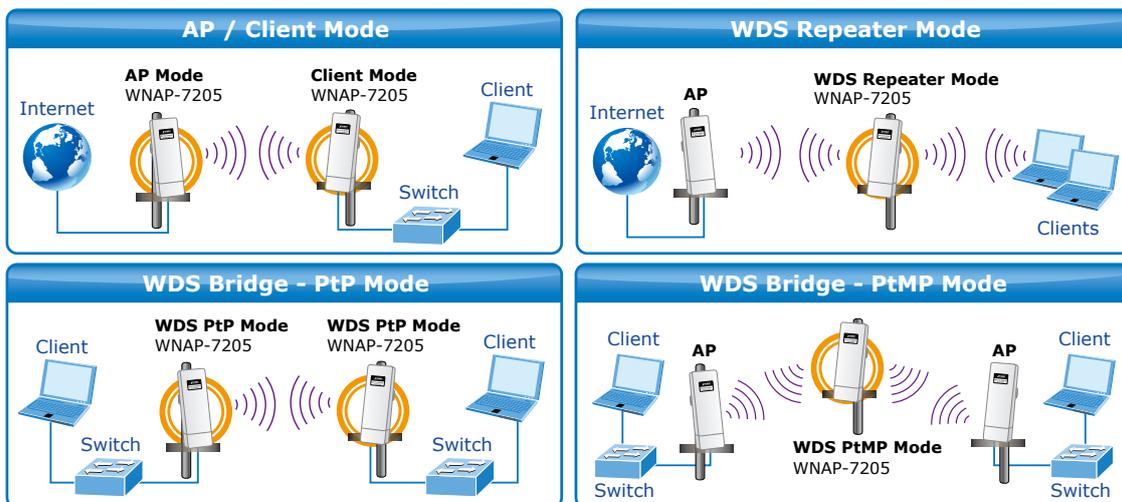


*The 24 channels are defined by the theory. The actual application will vary based on the regulation in different regions and countries.

Multiple Operating & Wireless Modes

The WNAP-7205 supports multiple wireless communication connectivity (AP / Client CPE / WDS PtP / WDS PtMP / Repeater / Universal Repeater) allowing for various application requirements and thus it gives users more comprehensive experience when using the WNAP-7205. It helps users to easily build a wireless network and extend the wireless range of existed wireless network.

The WNAP-7205 also supports WISP mode, so CPE users could easily connect to Internet via WISP provider or connect to a wired network.

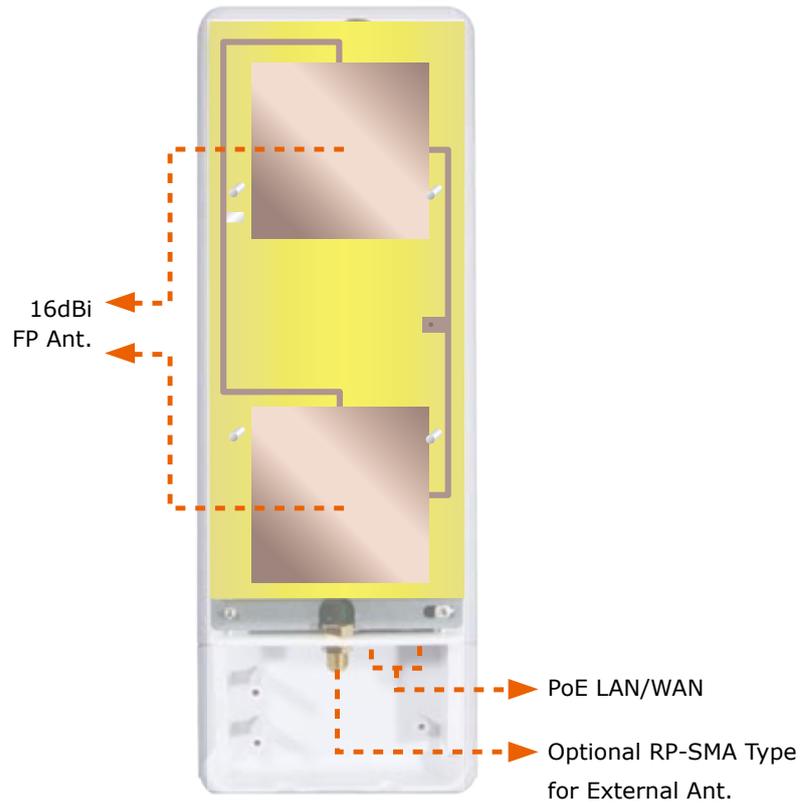


Advanced Security and Management

In aspect of security, besides 64/128-bit WEP encryption, the WNAP-7205 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-7205 is perfectly suitable to be installed in outdoor environments and exposed locations. With its IP55 casing protection, the WNAP-7205 can perform stably under rigorous weather conditions including heavy rain and wind. With the proprietary Power over Ethernet (PoE) design, the WNAP-7205 can be easily applied in the areas where power outlets are not available. It is the best way using the WNAP-7205 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 802.11a 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 pass-through
- Supports Virtual Server, DMZ and Port Forwarding for various networking applications
- Supports DHCP Server, UPnP, Dynamic DNS

RF INTERFACE CHARACTERISTICS

- Built-in 16dBi Directional Antenna
- High Output Power Up to 300mW with multiple adjustable transmit power control
- Reserve RP-SMA Type Connector

OUTDOOR ENVIRONMENTAL CHARACTERISTICS

- IP55 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

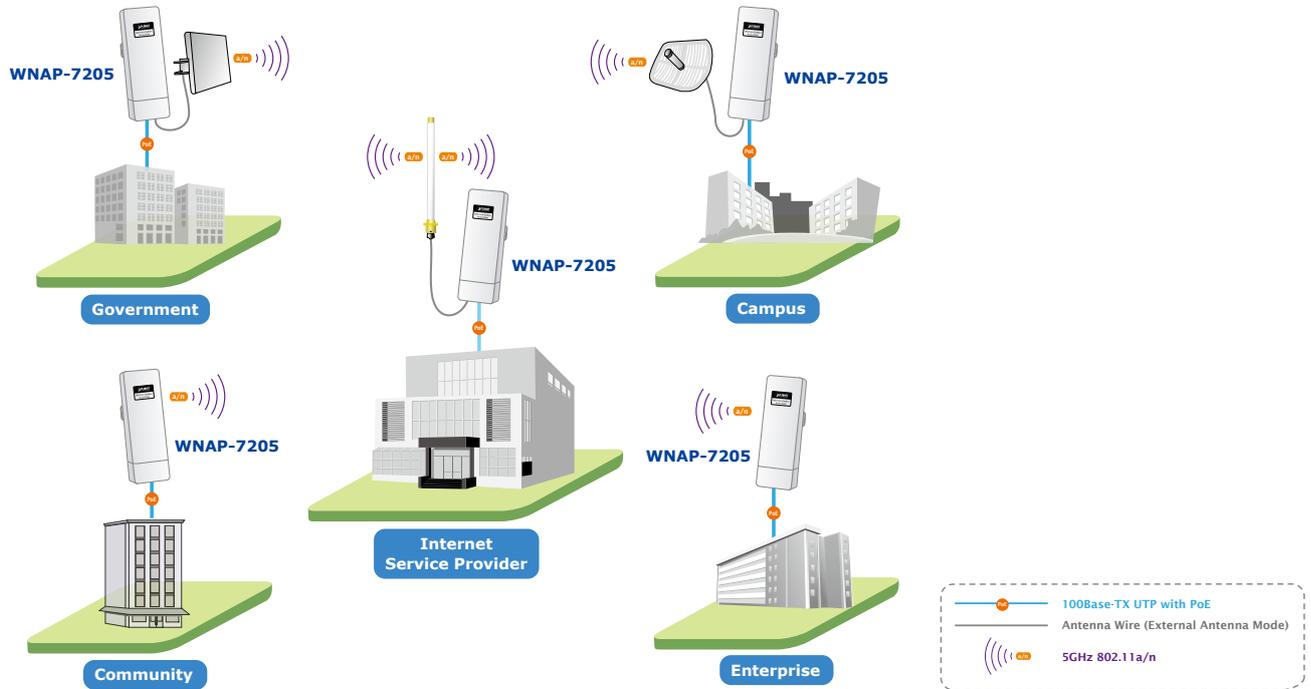
EASY INSTALLATION & MANAGEMENT

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

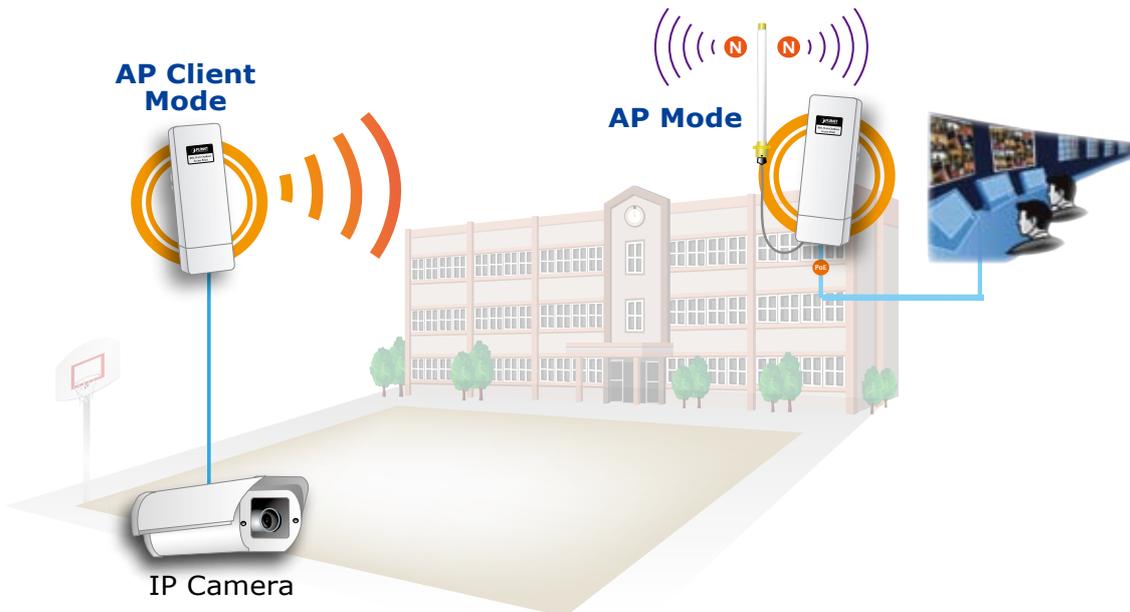
APPLICATIONS

Longer distance coverage between LAN connections

The WNAP-7205 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 RP-SMA Type Antenna connector, the WNAP-7205 brings higher coverage and longer distance of wireless connection. The WNAP-7205 provides high output power with multiple adjust Tx controller, which allows CPE users to easily install and adjust the suitable value in appropriate locations. The WISP mode supported also 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	150Mbps 802.11a/n Wireless Outdoor Access Point			
Model	WNAP-7205			
Hardware				
Standard support	IEEE802.11a/n IEEE 802.3 IEEE 802.3u IEEE 802.3x			
Chipset	Ralink RT2880			
Memory	32 Mbytes DDR SDRAM 4 Mbytes Flash			
PoE	Passive PoE Reset Button on PoE Injector			
Interface	Wireless: IEEE 802.11a/n, 1T1R LAN: 1 x 10/100Base-TX, Auto-MDI/MDIX WAN: 1 x 10/100Base-TX, Auto-MDI/MDIX			
Antenna	Internal (Default): 16dBi directional antenna (Vertical Polarization) <ul style="list-style-type: none"> ■ Horizontal: 60 degree ■ Vertical: 30 degree External (Option): RP-SMA type Connector <ul style="list-style-type: none"> ■ Switchable by Software ■ For External Antenna Mode, attach antenna before power on 			
Data Rate	802.11a: 54, 48, 36, 24, 18, 12, 9 and 6Mbps 802.11n (20MHz): up to 72Mbps 802.11n (40MHz): up to 150Mbps			
Media Access Control	CSMA / CA			
Modulation	Transmission/Emission Type: OFDM Data modulation type: OFDM with BPSK, QPSK, 16-QAM, 64-QAM			
Opt. Channel	5.180GHz	CH36	5.580GHz	CH116
	5.200GHz	CH40	5.600GHz	CH120
	5.220GHz	CH44	5.620GHz	CH124
	5.240GHz	CH48	5.640GHz	CH128
	5.260GHz	CH52	5.660GHz	CH132
	5.280GHz	CH56	5.680GHz	CH136
	5.300GHz	CH60	5.700GHz	CH140
	5.320GHz	CH64	5.745GHz	CH149
	5.500GHz	CH100	5.765GHz	CH153
	5.520GHz	CH104	5.785GHz	CH157
	5.540GHz	CH108	5.805GHz	CH161
	5.560GHz	CH112	5.825GHz	CH165
	*The 24 channels are defined by the theory. The actual application will vary based on the regulation in different regions and countries.			
Frequency Band	5.180GHz ~ 5.825GHz			
RF Output Power	802.11a: 25 ± 1dBm 802.11n: 22 ± 1dBm			
Receiver Sensitivity	IEEE 802.11a: -90dBm IEEE 802.11n: -88dBm			
Output Power Control	Range 1~100, default:100			
Power Requirements	12V DC, 1A (switching)			
Environment & Certification				
Operation Temp.	Temp.: -20~70 Degree C, Humidity: 10~90% non-condensing			
Storage Temp.	Temp.: -30~80 Degree C, Humidity: 5~90% non-condensing			
IP Level	IP55			
Regulatory	CE / RoHS			

Software	
LAN	Built-in DHCP server supporting static IP address distributing Supports UPnP Supports IGMP Proxy, DNS Proxy Supports 802.1d STP (Spanning Tree)
WAN Protocol	<ul style="list-style-type: none"> ■ Static IP ■ DHCP (Dynamic IP) ■ PPPoE ■ PPTP ■ L2TP
VPN Passthrough	<ul style="list-style-type: none"> ■ PPTP ■ L2TP ■ IPSec
Operating Mode	<ul style="list-style-type: none"> ■ 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
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
Wireless Isolation	Enable to isolate each connected wireless clients
Encryption Type	64/128-bits WEP, WPA, WPA-PSK, WPA2, WPA2-PSK, 802.1x
Wireless Security	Provides wireless LAN ACL (Access Control List) filtering Wireless MAC address filtering Supports WPS (WIFI Protected Setup) Enable/Disable SSID Broadcast
Max. Wireless Client	25
Max. WDS AP	4
Max. Wired Client	60
NTP	Network Time Management
Management	Web UI, DHCP Client, Configuration Backup & Restore, Dynamic DNS
Diagnostic tool	System Log

ORDERING INFORMATION

WNAP-7205	802.11a/n Wireless Outdoor Access Point
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RELATED PRODUCTS

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

ACCESSORIES

ANT-OM10A	5GHz 10dBi Omni-Directional Antenna
ANT-FP18A	5GHz 18dBi Flat Panel Directional Antenna
ANT-FP23A	5GHz 23dBi Flat Panel Directional Antenna
ANT-SE17A	5GHz 16.5dBi Sector Antenna
WL-SMA-0.6	0.6M RP-SMA(M) to N(M) Cable
WL-SMA-6	6M RP-SMA(M) to N(M) Cable