

802.11b/g/n Wireless LAN Outdoor AP



PLANET Technology introduces the latest outdoor wireless solution - the wireless LAN outdoor CPE AP/Router WNAP-6300 that provides higher transmission speed, higher power, and better performance. The WNAP-6300 is compatible with IEEE 802.11b/g/n, and the data rate is up to 150 Mbps with 802.11n mode. With N-type antenna connector, it allows versatile antenna installations and multiple adjustable transmit output power controller, therefore, the WNAP-6300 is quite suitable for widely open space applications.

The WNAP-6300 supports multiple operation modes: AP, AP Client, and WDS 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 a wired network.

In aspect of security, besides 64/128/152 bits WEP encryption, the WNAP-6300 integrates WPA / WPA2, WPA-PSK / WPA2-PSK and 802.1x authority to secure and protect your wireless LAN. Furthermore, with user-friendly Web and SNMP-based management interface, the WNAP-6300 is easily to be managed and configured remotely.

The WNAP-6300 is perfectly suitable to be installed in outdoor environments and exposed locations. With its IP-55 casing protection, the WNAP-6300 can perform normally under rigorous weather conditions including heavy rain and wind. With the proprietary Power over Ethernet (PoE) design, the WNAP-6300 can be easily installed in the areas where power outlets are not available. It is the best way using the WNAP-6300 to build outdoor wireless access applications between buildings on campuses, business, rural areas and etc.

KEY FEATURES

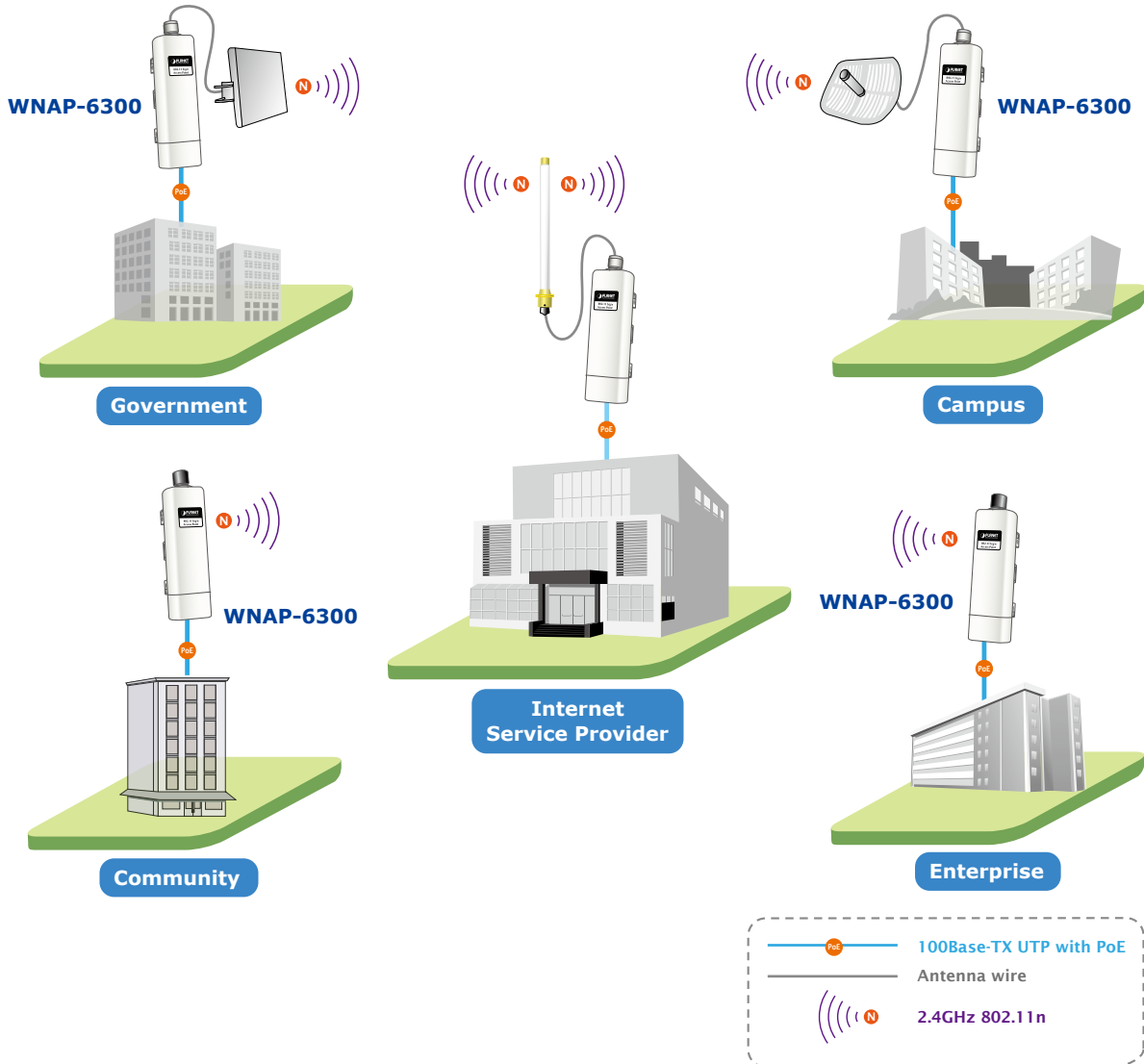
- IEEE 802.11b/g/n standards compliant
- Provides IP-55 protection against rigorous weather conditions
- Wide range of temperature tolerance for low or high temperature environment
- High output power up to 400mW with multiple adjustable transmit power control
- Data rate up to 150Mbps with 802.11n mode
- Power over Ethernet design (with proprietary injector)
- N-type Antenna connector for various installation
- Multiple Wireless Access Modes: AP, Client, Client CPE (WISP), WDS, AP+WDS
- Supports 64/128/152-bit WEP and 802.1X, WPA, WPA2, WPA&WPA2, WPA-PSK, WPA2-PSK, and WPA-PSK&WPA2-PSK Authentication
- Firewall supports IP/Port Filtering
- User-friendly Web and SNMP-based management interface

APPLICATIONS

Higher coverage & long distance between LAN connections

The WNAP-6300 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 WNAP-6300 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 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	802.11b/g/n Wireless LAN Outdoor AP
Model	WNAP-6300
Standard	IEEE 802.11b/g/n IEEE 802.3/u
Antenna	Default embedded 8dBi directional antenna (Vertical-Pol) *Horizontal: 113 degree *Vertical: 39 degree Reserve N-type Connector (Plug) *Switchable by Software
Data Rate	802.11b: Up to 11Mbps 802.11g: Up to 54Mbps 802.11n: Up to 150Mbps
Modulation	OFDM, BPSK, QPSK, CCK, DQPSK, DBPSK
Frequency Range	IEEE 802.11b/g/n HT20 ISM Band - USA(FCC): 2.412 GHz ~ 2.462 GHz (CH1 ~ CH11) - Europe(ETSI): 2.412 GHz ~ 2.472 GHz (CH1 ~ CH13) - Japan(TELEC): 2.412 GHz ~ 2.472 GHz (CH1 ~ CH13) IEEE 802.11g/n HT40 ISM Band - USA(FCC): 2.422GHz ~ 2.452 GHz (CH3 ~ CH9) - Europe(ETSI): 2.422 GHz ~ 2.462 GHz (CH3 ~ CH11) - Japan(TELEC): 2.422 GHz ~ 2.462 GHz (CH3 ~ CH11)
Opt. Channel	1 ~ 11 channels (North America) 1 ~ 13 channels (General Europe) 1 ~ 14 channels (Japan)
RF Output Power	802.11b: 26 ± 1.5dBm 802.11g: 26 ± 1.5dBm (6-24Mbps) 25 ± 1.5dBm (36-48Mbps) 24 ± 1.5dBm (54Mbps) 802.11n: HT20: 22/23/24/25/26 ± 1.5dBm (MCS7/6/5/4/0-3) HT40: 21/22/23/25/26 ± 1.5dBm (MCS7/6/5/4/0-3)
Wireless Security	IEEE 802.11b: 1Mbps ≤ -93dBm, 11Mbps ≤ -88dBm IEEE 802.11g: 6Mbps ≤ -88dBm, 54Mbps ≤ -73dBm IEEE 802.11n: - HT 20 MCS0 ≤ -88dBm, MCS7 ≤ -70dBm - HT 40 MCS0 ≤ -84dBm, MCS7 ≤ -67dBm
Wireless Security	64/128/152-bits WEP, WPA, WPA-PSK, WPA2, WPA2-PSK

ORDERING INFORMATION

WNAP-6300	802.11b/g/n Wireless LAN Outdoor AP
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RELATED PRODUCTS

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

ACCESSORIES

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