

802.11n Wireless Access Point



The PLANET WNAP-1120 is the 802.11n Wireless Access Point and backward compatible with 802.11b/g. The transmitting data rate can be up to 300Mbps. The wireless AP features radio in 2x2 (TX/RX) of intelligent antennas offering high performance and enhances superior coverage range.

To provide a secure WLAN, the WNAP-1120 supports 64/128-bit WEP (Wired Equivalent Privacy), WPA, WPA2 Encryption setting and MAC filter access control. Not only as an AP, the WNAP-1120 also supports Bridge PtP, AP Bridge-WDS, and Universal repeater mode, through which provides more flexibility for users while establishing wireless network. The WNAP-1120 features the Wi-Fi Protected Setup (WPS) in two methods: PBC/PIN. You may make secure connections simply push a button or by keying the PIN code.

Being an Access Point, the WNAP-1120 supports the VLAN function to allow multiple SSID (Four sets SSID) to access Internal VLAN topology. Moreover, WMM capability can provide better service to selected traffic or application, which utilizes the network usage. In the aspect of wireless security, WNAP-1120 supplies MAC access control and the built-in Radius Server function to prevent possible hackers attack.

The WNAP-1120 provides a total solution for the small office and the SOHO users. With the MIMO 11n wireless technology, it is easy to combine the wireless devices with the existing wired network.

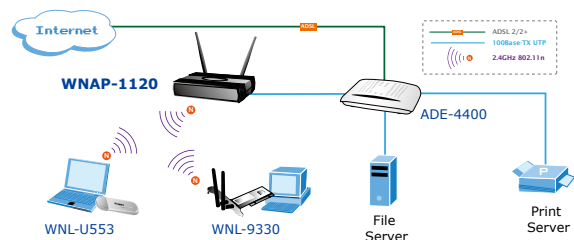
KEY FEATURES

- Compliant with IEEE 802.11n (Draft 2.0) wireless technology capable of up to 300Mbps download / upload data rate
- Supports Wi-Fi Protected Setup (WPS)
- Compliant with 802.11b/g standard
- Farther coverage, less dead spaces and higher throughput with 802.11n technology
- Supports 64/128-bit WEP, WPA (TKIP with IEEE 802.1x), WPA2 (AES with IEEE 802.1x)
- AP / Station-Infrastructure / Bridge Point to Point / Bridge Point to Multipoint / WDS / Repeater modes supported
- Supports DHCP Server
- System monitoring includes Active wireless client Table.
- Easy to use Web-based GUI for configuration and management purposes
- Multiple SSID / 802.11Q tagging function
- MAC filter access control and Built-in Radius Server function

APPLICATIONS

High-Speed WLAN with Internet Connection

The WNAP-1120 is an ideal solution for the residential and office users to enjoy the benefits of 300Mbps high-speed wireless networking. Locate the WNAP-1120 at the central point of an office or house, and then connect it to an ADSL Router. A laptop or a remote desktop can be easily connected to the Internet by installing the WNL-9330 or WNL-U553 Wireless Pre-N Adapters. Furthermore, the WPA-PSK / WPA2-AES mechanism of the WNAP-1120 can effectively prevent the information from eavesdropping by unauthorized users.



SPECIFICATION

Product	802.11n Wireless Access Point
Model	WNAP-1120
Standard	IEEE 802.11b/g , 802.11n Draft 2.0
Signal Type	11b mode: DSSS
	11g mode: OFDM
	11n mode: OFDM, MIMO 2T2R technology
Modulation	11b mode: CCK, DQPSK, DBPSK
	11g mode: 64 QAM, 16 QAM, QPSK, BPSK
	11n mode: 64 QAM, 16 QAM, QPSK, BPSK
LAN Port	1 x 10/100Base-TX, Auto-MDI/MDI-X
Antennas	2 x 3dBi Antenna
Data Encryption	64 bit / 128 bit WEP, WPA-PSK, WPA2-AES, WPA, WPA2
Frequency	2.4GHz - 2.484GHz
Data Rate	IEEE 802.11b: 11 / 5.5 / 2 / 1 Mbps
	IEEE 802.11g: 54 / 48 / 36 / 24 / 18 / 12 / 9 / 6 Mbps
	IEEE 802.11n: 300 Mbps in 40MHz mode / 150Mbps in 20MHz mode
Output Power	18dBm (Max)
Temperature	Operating : 0 ~ 40 Degree C
	Storage: -20 ~ 60 Degree C
Humidity	Operating: 0 ~ 85%
	Storage: 0 ~ 95% Non-Condensing
Dimension (W x D x H)	144 x 88 x 32 mm
Weight	305g
Power Requirement	12V DC, 1A

*The specification is for Hardware version 2

ORDERING INFORMATION

WNAP-1120	802.11n Wireless Access Point
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AVAILABLE MODULES

WNL-U554/U554A	802.11n Wireless USB 2.0 Adapter
WNL-U553	802.11n Wireless USB 2.0 Adapter
WNL-U552	802.11n Wireless USB 2.0 Adapter
WNL-9330	802.11n Wireless PCI Adapter