300Mbps 802.11n Wall Plug Universal WiFi Repeater / Travel Router

**Ideal High Speed Wireless Range Extender with Flexible Wall-Plug Design**

To minimize the effort of wireless network deployment, PLANET provides an ideal Wireless Range Extension solution – the WNAP-1260 Wall Plug Universal Wi-Fi Repeater. With the compact-sized and wall plug design, the WNAP-1260 is easy to plug into any electrical outlets of any place for 300Mbps high speed wireless network sharing. It can operate in various environments by the hardware switch modes including AP, Repeater, and Client, which help users to immediately set up a wireless network without software configuration. The wall plug design and operation flexibility make the WNAP-1260 suitable for wireless LAN range extension.

**Industrial Compliant Wireless LAN & LAN**
- 300Mbps wireless transmission rate with MIMO technology
- IEEE 802.11n, 802.11b/g standard compliant
- 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 Static Routing, IGMP Proxy
- Supports multiple sessions SIP ALG, IPSec, L2TP and PPTP VPN pass-through
- Supports DMZ, Port Forwarding and Port Triggering for various networking applications
- Supports DHCP Server, UPnP, Planet Dynamic DNS

**Wireless Network Range Extender**
- Multiple Wireless Modes: AP, WDS, Repeater, Universal Repeater, Client
- Supports Multiple SSID to allow users to access different networks through a single AP
- Supports WMM (Wi-Fi Multimedia), Wireless QoS
- Supports IAPP (Inter Access Point Protocol), Wireless Roaming

**Secure Network Connection**
- Advanced security: 64/128-bit WEP, WPA / WPA2, WPA-PSK / WPA2-PSK (TKIP/AES)
- Built-in NAT firewall features, with SPI function to protect against DoS attacks
- Supports IP / MAC / URL / DNS Filtering
Multiple Wireless Network Technologies for Greater Access

The WNAP-1260 features 802.11n radio with 2T2R antenna technology compliant with 802.11b/g/n standards. With the 300Mbps high speed transmission rates, the WNAP-1260 is easy to integrate the wireless devices with existing wired network. Compared with general wireless routers, the WNAP-1260 offers more powerful and flexible capability for home and business demands to access Internet and range extension of wireless network.

One-touch Secure Wi-Fi Extension

In order to simplify security settings for home and SOHO network, the WNAP-1260 supports Wi-Fi Protected Setup (WPS) with configuration in PBC and PIN type. Just push the WPS button or key in the PIN code and the secure connection between the WNAP-1260 and the access point can be built immediately, which offers users a convenient and fast method to extend a secure wireless network.

More Flexibility and Mobility

With the tiny-sized and wall plug design, the WNAP-1260 is easy to plug into wall outlet for wireless access in any place. It can operate in various environments with the hardware switch modes including AP, Repeater and Client, which helps to immediately set up a wireless network without software configuration. The wall plug design and operation flexibility make the WNAP-1260 suitable for range extension.
Wide Range of Wireless Security Support
To secure the wireless communication, the WNAP-1260 supports most up-to-date encryptions including WPA / WPA2-PSK with TKIP/AES. Made to fulfill enterprise and various applications demand, the WNAP-1260 enhances security and management features such as multiple SSID support. It can create up to 5 virtual standalone APs with 5 different SSIDs according to individual security levels and encryption scheme of various wireless devices.

Internet Broadband Sharing
The WNAP-1260 provides home and SOHO users a reliable and cost effective wireless solution by featuring WAN Internet access and high speed IEEE 802.11n wireless transmission. The WNAP-1260 is equipped with one LAN/WAN port for connection to local network or for wired cable / xDSL service connection. It provides a more flexible and easier way for users to share an instant wireless network service via range extension wherever at home, hotspot, or in public places like transportation, outdoor events, and more.

Advanced Firewall Security
In the router mode, the WNAP-1260 supports NAT functions allowing multiple users to access Internet via only one single legal IP. It provides Port Forwarding and DMZ for LAN PC to act as an application server. Furthermore, the advanced firewall by the WNAP-1260 can protect your Intranet clients from unauthorized accesses and various DoS attacks from the Internet. In aspect of the firewall, the WNAP-1260 provides IP / MAC / Port / URL filtering to prevent possible hackers attack.

Easy Setup Anywhere with Wall-Plug Design
With built-in small power-supply brick with integral male plug, the WNAP-1260 can be plugged directly into a wall outlet. Thus it can plug into any electrical outlets to repeat the existing poor Wi-Fi signal by just pressing its WPS button. Besides, uses also can easily apply any operating modes by switching the Hardware Mode Switch. With the universal design and compatible with any brands of router or access point, the WNAP-1260 provides the easiest way to eliminate wireless dead spots in office or home wireless network.
Applications

High Speed and Secure Wireless LAN Connection
The WNAP-1260 is an ideal solution to providing 300Mbps high speed wireless networking to all residential and office users. Locate the WNAP-1260 at the central point in an office or home, and connect it to an xDSL / cable modem, and then the WNAP-1260 can provide high speed wireless Internet access for the office or home network. Furthermore, the WPA-PSK / WPA2-AES mechanism of the WNAP-1260 can effectively prevent the information from eavesdropping by unauthorized users. For secure enterprise applications, the WNAP-1260 also provides up to 5 SSIDs allowing users to access different networks through a single AP.

Home Wireless Range Extender
The WNAP-1260 is the characterization of Wall-Plug design and advanced 2T2R MIMO technology which reduces the effect of dead spot, so that it can get better coverage of the existing wireless network. The WDS and repeater modes supported by the WNAP-1260 help to minimize the effort of installation and cabling cost.
# Product Specifications

## Product

<table>
<thead>
<tr>
<th>Product</th>
<th>WNAP-1260</th>
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<tbody>
<tr>
<td>Model</td>
<td>300Mbps 802.11n Wall Plug Universal WiFi Repeater</td>
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## Hardware Specifications

### Interface

<table>
<thead>
<tr>
<th>Interface</th>
<th>LAN/WAN 1 x 10/100Mbps Auto MDI/MDI-X RJ45 port</th>
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### Antenna

<table>
<thead>
<tr>
<th>Gain</th>
<th>2 x Internal 2dBi Antenna</th>
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<tbody>
<tr>
<td>Orientation</td>
<td>Horizontal and Vertical</td>
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</table>

### Button/Switch

- Mode Selection Switch (AP / Repeater / Client)
- WPS Button
- Reset button

*Push about 3~6 seconds to reset to factory default settings*

### LED Indicators

- PWR, WPS, Ethernet, WLAN

## Material

- Plastic

## Dimensions (W x D x H)

- 55 x 75 x 40 mm

## Weight

- 80g (gross weight)

## Power Requirements

- 100~240VAC

## Plug Type

- EU/US

## Power Consumption

- On-state: 2.1W
- Low power state: 1.5W

## Wireless Interface Specifications

### Standard

Compliant with IEEE 802.11b/g/n

### Frequency Band

2.4–2.4835GHz

### Extend Frequency

DSSS

### Modulation Type

- DBPSK, DQPSK, QPSK, CCK and OFDM (BPSK / QPSK / 16-QAM / 64-QAM)

### Data Transmission Rates

- **802.11n (40MHz):**
  - 270Mbps, 243Mbps, 216Mbps, 162Mbps, 108Mbps, 81Mbps, 54Mbps, 27Mbps
  - 135Mbps, 121.5Mbps, 108Mbps, 81Mbps, 54Mbps, 39Mbps, 26Mbps, 13Mbps
- **802.11n (20MHz):**
  - 150Mbps, 117Mbps, 108Mbps, 95Mbps, 84Mbps, 72Mbps, 65Mbps, 52Mbps, 48Mbps, 39Mbps, 33Mbps, 26Mbps, 19.5Mbps, 15Mbps, 13Mbps
- **802.11g:**
  - 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps, 6Mbps
- **802.11b:**
  - 11Mbps, 5.5Mbps, 2Mbps, 1Mbps

### Transmission Distance

- Indoor up to 100m
- Outdoor up to 300m (Depends on the environment)

### Channel

- America / FCC: 2.412~2.462GHz (11 Channels)
- Europe / ETSI: 2.412~2.472GHz (13 Channels)
- Japan / TELE: 2.412~2.484GHz (14 Channels)

### Channel Width

- 20 / 40MHz

### Max. RF Power

- 802.11b: 17.1dBm
- 802.11g: 14.1dBm
- 802.11n (20MHz): 14.1dBm
- 802.11n (40MHz): 14.1dBm

### Receive Sensitivity

- **802.11b:**
  - -92dBm @ 1Mbps; -85dBm @ 11Mbps, PER < 8%
- **802.11g:**
  - -88dBm @ 6Mbps; -73dBm @ 54Mbps, PER < 10%
- **802.11n:**
  - -90dBm @ MCS8; -70dBm @ MCS15, PER < 10%

## Software Features

### Operation Mode

- AP/Router
- Repeater
- Client (Switchable by Hardware)

### Wireless Mode

- Universal Repeater (AP+Client)
- Repeater (WDS+AP)
- AP (Access Point)

### Encryption Security

- WEP (64/128-bit) encryption security
- WPA / WPA2 (TKIP/AES)
- WPA-PSK / WPA2-PSK (TKIP/AES)

### Wireless Security

Provides wireless LAN ACL (Access Control List) filtering
- Wireless MAC address filtering up to 16 entries
- Supports WPS (Wi-Fi Protected Setup)
- Enable/Disable SSID Broadcast

### Wireless Advanced

- WMM (Wi-Fi Multimedia): 802.11e Wireless QoS
- Multiple SSID: up to 4
- Wireless Isolation: Supports Wireless Isolation
- IAPP (Inter Access Point Protocol): 802.11f Wireless Roaming
- Provides Wireless Statistics
| **Max. Clients** | Wire: 253  
Wireless: 32 |
|------------------|------------------|
| **Internet Connection Type** | Shares data and Internet access for users, supporting the following Internet access:
|          | • Dynamic IP  
|          | • Static IP  
|          | • PPPoE  
|          | • PPTP  
|          | • L2TP |
| **Firewall** | NAT firewall with SPI (Stateful Packet Inspection)  
Built-in NAT server supporting Port Forwarding, Port Triggering, and DMZ  
Built-in firewall with IP address / MAC address / Port / URL filtering  
Supports ICMP-FLOOD, UDP-FLOOD, TCP-SYN-FLOOD filter, DoS protection |
| **Routing Protocol** | Static Routing |
| **VPN Pass-through** | SIP ALG, PPTP, L2TP, IPSec |
| **LAN** | Built-in DHCP server supporting static IP address distributing  
Supports UPnP, Dynamic DNS  
Supports IGMP Proxy |
| **System Management** | Web-based (HTTP) management interface  
SNTP time synchronize  
Easy firmware upgrade |
| **Standards Conformance** | IEEE 802.11n (2T2R, up to 300Mbps)  
IEEE 802.11g  
IEEE 802.11b  
IEEE 802.11i  
IEEE 802.3 10Base-T  
IEEE 802.3u 100Base-TX  
IEEE 802.3x Flow Control |
| **IEEE Standards** | CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP |
| **Others Protocols and Standards** | CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP |
| **Environment & Certification** | Operating: 0 ~ 45 degrees C  
Storage: -20 ~ 70 degrees C  
Operating: 10 ~ 90% (non-condensing)  
Storage: 5 ~ 90% (non-condensing)  
CE, RoHS |

**Ordering Information**

WNAP-1260-EU  
300Mbps 802.11n Wall Plug Universal WiFi Repeater (EU-Type)  
WNAP-1260-US  
300Mbps 802.11n Wall Plug Universal WiFi Repeater (US-Type)  

**Related Products**

WNRT-617  
150Mbps 802.11n Wireless Broadband Router  
WNRT-627  
300Mbps 802.11n Wireless Broadband Router  
WNRT-617G  
150Mbps 802.11n Wireless 3G Router  
WDRT-750AC  
750Mbps 802.11ac Wireless Broadband Router  
WNAP-1110  
150Mbps 802.11n Wireless Range Extender  
WNAP-1120PE  
300Mbps 802.11n Wireless PoE Access Point  
WDU-U700  
300Mbps Dual Band 802.11n Wireless USB Adapter  
WNL-U556M  
802.11n Micro Wireless USB 2.0 Adapter  
WNL-U554A  
802.11n Wireless USB 2.0 Adapter External 2dBi Antenna  
WNL-U555HA  
802.11n Wireless High Power USB Adapter  
WNL-9501  
802.11n Wireless PCI Express Adapter  

* For best performance and wireless connection, sincerely advice to match the above related products.