



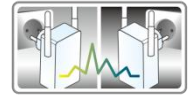
AV500 Powerline



300Mbps Transfer Speed



Extend your Wi-Fi



Plug & Play



Energy Saving

HP-5101Wn

AV500 Nano PowerLine Wireless Extender

Upset that your wireless can't reach certain areas in your house? Powerline Wireless Extender is an ideal and simple solution for you. Edimax's HP-5101Wn AV500 Powerline Wireless Extender creates a 500Mbps high-speed network with standard power outlets and converts wired Ethernet network and Powerline network into wireless which extends your internet access anytime anywhere in the house without internet dead spot and no more messy wires running through your house.

HP-5101Wn Powerline Wireless Extender is perfect for high-bandwidth applications like HD video and audio streaming, and it's compatible with any networking Ethernet-enable devices. HP-5101Wn expands your network to the locations wireless cannot, so it is ideal for computers, home theater, smart TVs and gaming devices. It provides you an expandable and easy to set up network at home.

Extend Your Home Network With High-Speed 300Mbps Wireless N Coverage

The HP-5101Wn is a 500Mbps Powerline adapter and a 300Mbps 802.11n wireless. Extend an Internet connection to any room via your home's electrical circuit and create a high speed 802.11n wireless at any power socket. The HP-5101Wn offers easy, plug-and-play setup and provides super-fast Wi-Fi coverage – enough for even the most demanding applications, along with excellent range across large homes or through walls and floors. Ideal for keeping smart phones, tablets and laptops connected to high-speed Wi-Fi anywhere in your home.

Great for HD Video and Gaming

A perfect solution for bandwidth intensive applications such as online gaming or HD videos, the HP-5101Wn complies with the HomePlug AV standard and can provide users with a stable high-speed data transmission rates of up to 500Mbps over the existing electrical wires. IGMP multicast support ensures high-performance and efficient use of network resources for streaming high-definition video and digital audio quickly and easily.

User-Friendly Setup

Powerline adapters are designed with ease-of-use and user-friendliness in mind. There is no need to install any additional software and your Powerline network and be up-and-running within just a few minutes. A secure Powerline connection can be established between compatible devices with a simple touch of a button, with no configuration or passwords necessary.

Energy Saving

The HP-5102Wn supports the energy saving mode to reduce power consumption. If no data transmission or reception occurs over a certain period of time, the adapter will automatically go into standby mode to save power consumption.

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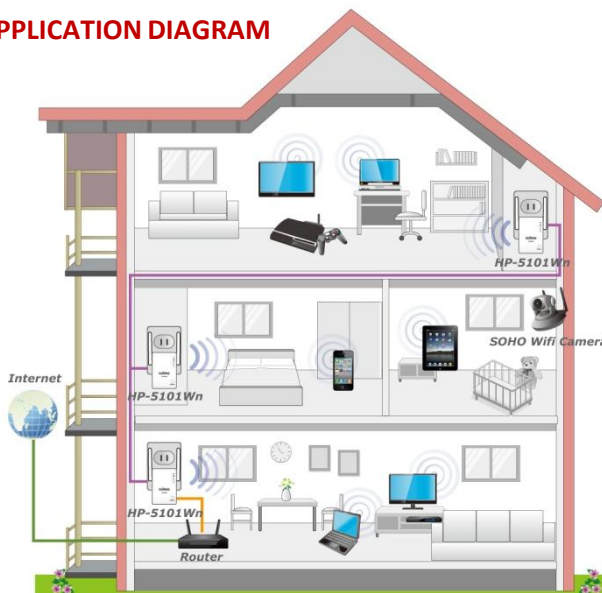
FEATURES:

- Extend your home network with a stable high-speed data transmission rates of up to 500Mbps through existing electrical wires.
- Share your wireless network at speeds up to 300Mbps.
- Backward compatible with 200Mbps Powerline adapters.
- Range up to 300 meters via electrical wiring for better performance through walls or floors.
- Plug-n-play setup - no wires, configuration or software required.
- Wi-Fi Protected Setup (WPS) button for quick, secure wireless connections.

TECHNICAL SPECIFICATIONS

Hardware <ul style="list-style-type: none"> • 1 x AC plug • 1 x 10/100Mbps Ethernet LAN port • 1 x WPS/Reset button • 1 x Group button • LED indicators: wireless, WPS, Ethernet, Powerline, power 	Standards <ul style="list-style-type: none"> • IEEE 802.11b/g/n • IEEE 1901 • IEEE 802.3 / IEEE 802.3u 	Effective Data Rate <ul style="list-style-type: none"> • TCP: Up to 95 Mbps effective throughput • UDP: Up to 95 Mbps effective throughput • Powerline: 500Mbps (PHY rate)
Powerline Frequency Band <ul style="list-style-type: none"> • 2-68MHz (with mask) 	Modulation Schemes <ul style="list-style-type: none"> • OFDM symbol modulation on line synchronization 1024/256/64/16/8-QAM, QPSK, BPSK, ROBO modulation 	Powerline Operating Range <ul style="list-style-type: none"> • Up to 300 meters
QoS <ul style="list-style-type: none"> • 4 levels priority based contention access, and multi segment bursting • 8 levels VLAN priority field, TOS field • QoS classification by destination MAC address and IP port 	Nodes <ul style="list-style-type: none"> • Up to 15 slaves with 1 master, 16 total devices • Max 8 bridged devices per station 	IGMP <ul style="list-style-type: none"> • Support for IPv4/IGMPv1,v2,v3 snooping • Support for IPv6 and MLDv1, v2 snooping • Max 16 source addresses and group members
IC /Memory <ul style="list-style-type: none"> • AR7420+1540+ RTL8196C • 2MB Flash • 8MB SDRAM 	Security <ul style="list-style-type: none"> • 128-bit AES link encryption with key management • WEP/WPA/WPA encryption for wireless 	Temperature & Humidity <ul style="list-style-type: none"> • 0-45°C • 10-90% (non-condensing)
Wireless Frequency & Modulation <ul style="list-style-type: none"> • 2400-24835MHz • 802.11b: CCK, DQPSK, DBPSK • 802.11g: 64QAM, 16QAM, QPSK, BPSK, DSSS • 802.11n: 64QAM, 16QAM, QPSK, BPSK 	Wireless Output Power <ul style="list-style-type: none"> • 11n: 14±1.5dBm • 11g: 15±1.5dBm • 11b: 16±1.5dBm 	Wireless Features <ul style="list-style-type: none"> • Support auto channeling • Legacy and high throughput modes • 20MHz/40MHz Bandwidth • Support 64/128-bit WEP, 802.1x, WPA, and WPA2 for wireless security • Multiple BSSID support
Power Source & Power Consumption <ul style="list-style-type: none"> • 100-240V AC, 50-60Hz • 4.5 W 	Dimensions & Weight <ul style="list-style-type: none"> • 87 x 59 x 30mm (without plug) • 120g 	Certification <ul style="list-style-type: none"> • CE

APPLICATION DIAGRAM



HARDWARE INTERFACE

