

500Mbps
PowerLine

plug & play

HD
IPTV



HP-5101AC



500Mbps Nano PowerLine Adapter with Integrated Power Socket

Transmit Network Data via Existing Electrical Wires

The Edimax HP-5101AC can turn the existing electrical wires in your home or office into a high-speed network. Complicated, disruptive and unsightly cabling is no longer necessary - if your home or office doesn't have an existing Ethernet cable infrastructure, the HP-5101AC enables you to create a network environment easily and cost-effectively.

Integrated Power Socket with Noise Filter

With the Edimax HP-5101AC, no electrical outlet goes to waste. It is built with an integrated power socket, which you can use with any electrical device. So even when the HP-5101AC is plugged into a socket, you can still plug another electrical device into the HP-5101AC and have your usual socket capacity. The in-built noise filter also ensures that you do not experience a sudden drop of network speed when a high power consuming electrical device is being used.

500Mbps HomePlug AV Standard & IGMP Support

The Edimax HP-5101AC not only complies with the HomePlug AV standard but also supports IGMP managed multicast streams. The HP-5101AC can transmit network data over existing electrical wires at speeds of up to 500Mbps. It is also backward compatible with the 200Mbps HomePlug AV standard and has a transmission range of up to 300 meters. IGMP can be used for online gaming and video streaming applications, and allows for more efficient use of network resources. With the HP-5101AC, you can transfer high-definition video and digital audio quickly and easily.

Compatible with HomePlug 1.0 & 1.0 Turbo Devices

The HP-5101AC is designed to ensure efficient coexistence with HomePlug 1.0 and 1.0 Turbo devices, providing guaranteed QoS to all devices present in a heterogeneous powerline network. In such an architecture, the HP-5101AC and other HomePlug 1.0 stations share the CSMA/CA allocations, thus providing fair access to HomePlug 1.0 stations based on traffic priority.

128-Bit AES Encryption

With built-in compliance with the 128-bit AES encryption standard, the Edimax HP-5101AC provides superior powerline network security.



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FEATURES

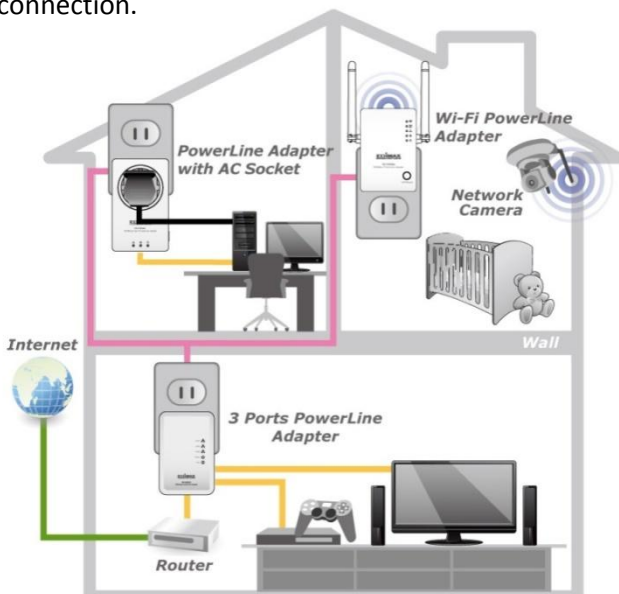
- Easy plug-n-play setup and 128 bit AES security
- Maximum powerline speed of 500Mbps
- Backward compatible with 200Mbps powerline adapters
- Features energy saving mode to reduce power consumption
- Utilizes existing electrical wires to transmit network data
- Powerline transmission range up to 300 meters
- Integrated power socket with noise filter

TECHNICAL SPECIFICATIONS

Hardware	Standards	Functions
<ul style="list-style-type: none"> • 1 x Power jack • 1 x Power socket • 1 x 10/100Mbps Fast Ethernet port • 1 x Group/Reset button 	<ul style="list-style-type: none"> • IEEE 1901 • IEEE 802.3 • IEEE 802.3u 	<ul style="list-style-type: none"> • Supports IPv6, IGMP, and MLD snooping • Supports VLAN pass-through • Integrated Quality of Service (QoS) • Coexistence with HomePlug 1.0 devices • Utility software
LED	Modulation Schemes	Operating Range
<ul style="list-style-type: none"> • Power • Ethernet • Powerline 	<ul style="list-style-type: none"> • OFDM 4096/1024/256/64/16/8 QAM, QPSK, BPSK and ROBO Modulation Schemes 	<ul style="list-style-type: none"> • Up to 300 meters
Frequency Band	Security	Temperature & Humidity
<ul style="list-style-type: none"> • 2-68MHz 	<ul style="list-style-type: none"> • 128-bit AES link encryption 	<ul style="list-style-type: none"> • 0-40 degrees Celsius • 10-90% (non-condensing)
Power Input	Dimensions	Certifications
<ul style="list-style-type: none"> • 100-240V AC, 50-60Hz 	<ul style="list-style-type: none"> • 93 x 57 x 39 mm 	<ul style="list-style-type: none"> • CE

NETWORK SETUP DIAGRAM

- Plug an HP-5101AC to a power outlet and connect it to a broadband router.
- Plug another HP-5101AC to a power outlet and connect it to a computer's Ethernet port to establish a powerline connection.



NANO SIZE DESIGN

- The HP-5101AC fits perfectly into existing wall sockets.
- The HP-5101AC 's nano size, low profile design is slim and compact, meaning it only occupies a single power socket.

