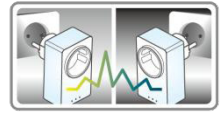




500Mbps Powerline



Plug & Play



HD IPTV



Energy Saving

**HP-5102ACK**

## 500Mbps Nano PowerLine Adapter Kit with Integrated Power Socket

### Transmit Network Data via Existing Electrical Wires

The Edimax HP-5102AC can transform 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-5102AC enables you to create a network environment easily and cost-effectively.

### Integrated Power Socket with Noise Filter

With the Edimax HP-5102AC, 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-5102AC is plugged into a socket, you can still plug another electrical device into the HP-5102AC 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.

### PowerLine Adapter Kit

Included are two Edimax HP-5102AC adapters; everything you need to set up a powerline connection. One adapter connects to your router, and the other to your network device. Or, if you already have a powerline network established, you can use the HP-5102AC adapters for additional network devices. The Edimax HP-5102AC has a combo group/reset to automatically sync your HP-5102AC adapters into your network, and up to 8 powerline adapters can be used together across your home or office, using advanced 128-bit AES secure encryption.

### Key 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

# 500Mbps Nano PowerLine AdapterKit with Integrated Power Socket

HP-5102ACK

## FEATURES & TECHNICAL SPECIFICATIONS

Hardware	Standards	Effect Data Rate
<ul style="list-style-type: none"> <li>✦ 1 x Power jack</li> <li>✦ 1 x Power socket</li> <li>✦ 1 x 10/100Mbps Ethernet LAN port</li> <li>✦ 1 x Group/Reset button</li> <li>✦ LED indicators: power, Ethernet, powerline</li> </ul>	<ul style="list-style-type: none"> <li>✦ IEEE 1901</li> <li>✦ IEEE 802.3</li> <li>✦ IEEE 802.3u</li> <li>✦ HomePlug AC compliant</li> </ul>	<ul style="list-style-type: none"> <li>✦ TCP: Up to 95 Mbps effective throughput</li> <li>✦ UDP: Up to 95 Mbps effective throughput</li> </ul>
Frequency Band	Modulation Schemes	Operating Range
<ul style="list-style-type: none"> <li>✦ 2-28MHz (with Mask)</li> </ul>	<ul style="list-style-type: none"> <li>✦ OFDM symbol modulation on line synchronization 1024/256/64/16/8-QAM, QPSK, BPSK, ROBO modulation</li> </ul>	<ul style="list-style-type: none"> <li>✦ Up to 300 meters</li> </ul>
QoS	Nodes	IGMP
<ul style="list-style-type: none"> <li>✦ 4 levels priority based contention access, and multi segment bursting</li> <li>✦ 8 levels VLAN priority field, TOS field</li> <li>✦ QoS Classification by destination MAC address and IP port</li> </ul>	<ul style="list-style-type: none"> <li>✦ Up to 15 slaves with 1 master, 16 total devices</li> <li>✦ Max 8 bridged devices per station</li> </ul>	<ul style="list-style-type: none"> <li>✦ Support for IPv4/IGMPv1,v2,v3 snooping</li> <li>✦ Support for IPv6 and MLDv1, v2 snooping</li> <li>✦ Max 16 source addresses and group members</li> </ul>
IC / Memory	Security	Temperature & Humidity
<ul style="list-style-type: none"> <li>✦ AR7420+1540</li> <li>✦ 1MB Flash</li> <li>✦ 8MB SDRAM</li> </ul>	<ul style="list-style-type: none"> <li>✦ 128-bit AES link encryption with key management</li> </ul>	<ul style="list-style-type: none"> <li>✦ 0-45 degrees Celsius</li> <li>✦ 10-90% (non-condensing)</li> </ul>
Power Outlet	Dimensions & Weight	Power Consumption
<ul style="list-style-type: none"> <li>✦ Line Voltage: 100 to 240VAC</li> <li>✦ Noise Filter Insertion Loss: Up to 35dB at 1MHz – 40MHz</li> </ul>	<ul style="list-style-type: none"> <li>✦ 102 x 64 x 43mm</li> <li>✦ 184g</li> </ul>	<ul style="list-style-type: none"> <li>✦ 4W</li> </ul>
Power Source	Certification	
<ul style="list-style-type: none"> <li>✦ 100-240V AC, 50-60Hz</li> </ul>	<ul style="list-style-type: none"> <li>✦ CE, FCC, LVD</li> </ul>	

## NETWORK SETUP DIAGRAM

- Plug a HP-5102AC into a power outlet and connect it to a broadband router.
- Plug another HP-5102AC to a power outlet and connect it to a computer's Ethernet port to establish a powerline connection.

