USE THE EXISTING POWER LINE
HP-2002AV turns the existing electric wires in your home or office into a high-speed network. You do not have to install the network cables and be annoyed with the cables planning—just use the wires that already run through the building! HP-2002AV enables you to create a network easily and cost-effectively.

SUPPORTS IGMP & 200MBPS HOMEPLUG AV STANDARD
HP-2002AV not only complies with the HomePlug AV standard but also supports IGMP managed multicast session. HomePlug AV represents the next generation of technology which providing high speed 200Mbps data rate and coverage range up to 300 meters. IGMP can be used for online streaming video and gaming, and allows more efficient use of resources. With IGMP multicast, HP-2001AV can save the bandwidth of powerline. People will be able to transfer high-definition video and digital audio by simply connecting the device to an electrical outlet.

COEXISTENCE WITH HOMEPLUG 1.0 & 1.0 TURBO
HP-2002AV is designed to ensure efficient coexistence with the HomePlug 1.0 and 1.0 Turbo devices. User can use HP-2002AV and HomePlug 1.0 stations to share the CSMA/CA allocation, thus providing fair access to HomePlug 1.0 stations based on traffic priority.

SUPPORT QoS & 128-BITS AES ENCRYPTION
HP-2002AV not only provides Quality of Service (QoS) guarantees including guaranteed bandwidth reservation, high reliability and tight control of latency, but also supports 128-bits AES link encryption for security. It is a good choice for you to create a new network or to rearrange of the existing network.

SUPPORT GROUP BUTTON & RESET BUTTON
HP-2002AV provides hardware “Group Button” and “Reset Button” for you to simplify the configuration. The “Group Button” can help you to setup network password of powerline automatically. Press the “Reset Button” for 3 seconds to reset the configuration to factory default.
FEATURES AND TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>HARDWARE INTERFACE</th>
<th>MODULATION</th>
<th>POWER</th>
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<tr>
<td>1 Power jack + 1 LAN 10/100Mbps Ethernet Ports</td>
<td>1024/256/64/16-QAM, QPSK, BPSK and ROBO Modulation Schemes</td>
<td>100<del>240VAC, 50</del>60Hz</td>
</tr>
<tr>
<td>LED Indicators: Power, Ethernet and Powerline</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reset button</td>
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<td>Group button</td>
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SECURITY & SUPPORT OS

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<tr>
<th>FREQUENCY BAND &amp; HARDWARE</th>
<th>HUMIDITY</th>
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<tbody>
<tr>
<td>128-bit AES link Encryption</td>
<td>10-90% (Non-condensing)</td>
</tr>
<tr>
<td>Support Windows 98SE/ME/2000/32&amp;64 bit XP/32&amp;64 bit Vista</td>
<td></td>
</tr>
<tr>
<td>2~30 MHz</td>
<td></td>
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<tr>
<td>128Mbits SDRAM</td>
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<tr>
<td>16Mbits Flash</td>
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FUNCTIONS

<table>
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<tr>
<th>DIMENSION &amp; TEMPERATURE</th>
<th>CERTIFICATIONS</th>
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<tr>
<td>Powerline Coverage Range up to 300 meters</td>
<td>CE</td>
</tr>
<tr>
<td>Supports IPv6</td>
<td></td>
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<tr>
<td>IGMP managed multicast IP transmission</td>
<td></td>
</tr>
<tr>
<td>Integrated Quality of Service (QoS)</td>
<td></td>
</tr>
<tr>
<td>Support contention-free access, four-level priority based contention access, and multi segment bursting</td>
<td></td>
</tr>
<tr>
<td>Support VLAN Priority, ToS and CoS Packet Classifier</td>
<td></td>
</tr>
<tr>
<td>99 x 64 x 45 mm</td>
<td></td>
</tr>
<tr>
<td>0~45 Degree Celsius</td>
<td></td>
</tr>
</tbody>
</table>

NETWORK SETUP DIAGRAM AND RELATED PRODUCTS

An example of how the HP-2002AV can be setup:
- Plug the HP-2002AV to the power outlet and Connect the HP-2002AV to your Broadband router.
- Plug the other HP-2002AV to the power outlet and Connect the HP-2002AV to your computer’s Ethernet port.
USES THE EXISTING POWER LINE TO BUILD UP THE NETWORK
The HP-2002AC turns the existing electrical wires in your home or office into a high-speed network. You do not have to install the network cables and be annoyed with the cables planning. Just use the electrical wires that already run through the building to turn it into a data network!

INTEGRATES ELECTRICAL OUTLET AND MAIN FILTER
The HP-2002AC built in an electrical outlet and main filter. The integrated power outlet ensures no electrical outlet is lost when using the HP-2002AC. The integrated main filter gives a predictable and dependable data transmission speed. You won’t experience a sudden speed drop when a high power consuming electrical device is been using.

SUPPORTS IGMP & 200MBPS HOMEPLUG AV STANDARD
The HP-2002AC not only complies with the HomePlug AV standard but also supports IGMP managed multicast session. HomePlug AV represents the next generation technology which providing high speed data rate, up to 200Mbps with the coverage up to 300 meters. IGMP can be used for online streaming video, like IPTV, online gaming, DVR and set-top box. IGMP allows more efficient use of resources. With IGMP multicast, the HP-2002AC can save the bandwidth of powerline. You are able to transfer high-definition video and digital audio by simply connecting the device to an electrical outlet via the HP-2002AC.

COEXISTENCE WITH HOMEPLUG 1.0 & 1.0 TURBO
The HP-2002AC is designed to ensure the efficient coexistence with the HomePlug 1.0 and 1.0 Turbo devices. You can use HP-2002AC and other HomePlug 1.0 stations to build up one network. You don't have to worry the interoperability issue.

SUPPORTS QoS &128-bits AES ENCRYPTION
The HP-2002AC not only provides Quality of Service (QoS), including guaranteed bandwidth reservation, high reliability and tight control of latency, but also supports 128-bits AES link encryption for security. It is a good choice for you to create a new network or to rearrange the existing network.

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- 10-90% (Non-condensing)

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- IGMP managed multicast IP transmission
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  Support contention-free access, four-level priority contention access, and multi segment bursting
  Support VLAN Priority, ToS and CoS Packet Classifier

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- 134 x 68 x 45 mm
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CERTIFICATIONS

- CE

NETWORK SETUP DIAGRAM AND RELATED PRODUCTS

An example of how the HP-2002AC can be setup:

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2. Plug the other HP-2002AC to the power outlet and connect to computer’s Ethernet port.