USE THE EXISTING POWER LINE
HP-2001AV 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-2001AV enables you to create a network easily and cost-effectively.

200MBPS HOMEPLUG AV STANDARD
HP-2001AV complies with the HomePlug AV mode standard. HomePlug AV represents the next generation of technology which providing high speed 200Mbps data rate and coverage range up to 300 meters. 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-2001AV is designed to ensure efficient coexistence with the HomePlug 1.0 and 1.0 Turbo devices. User can use HP-2001AV 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-2001AV 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-2001AV provides hardware “Group Button” and “Reset Button” for you to simplify the configuration. The “Group Button” can help you to create several powerline network groups in LAN. The HomePlug devices in different groups can not communicate with each other via powerline. Press the “Reset Button” for 3 seconds to reset the configuration to factory default.
FEATURES AND TECHNICAL SPECIFICATIONS

HARDWARE INTERFACE

- 1 Power jack + 1 LAN 10/100Mbps Ethernet Ports
- LED Indicators: Power, Ethernet and Powerline
- Reset button
- Group button

MODULATION

- OFDM (1024/256/64/16-QAM, QPSK, BPSK and ROBO Modulation Schemes

POWER

- 100~240VAC, 50~60Hz

SECURITY & SUPPORT OS

- 128-bit AES link Encryption
- Support Windows 98SE/ME/2000/XP/Vista

FREQUENCY BAND

- 2~30 MHz

HUMIDITY

- 10-90% (Non-condensing)

FUNCTIONS

- Powerline Coverage Range up to 300 meters
- Support 64 adapters to communicate on a single network
- Plug and Play
- IGMP managed multicast IP transmission
- Integrated Quality of Service (QoS):
  - Prioritized random access
  - Contention-free access

DIMENSION & TEMPERATURE

- 97 x 65 x 54 mm
- 0~45 Degree Celsius

CERTIFICATIONS

- CE, FCC

NETWORK SETUP DIAGRAM AND RELATED PRODUCTS

An example of how the HP-2001AV can be setup:

- Plug the HP-2001AV to the power outlet and Connect the HP-2001AV to your Broadband router.
- Plug the other HP-2001AV to the power outlet and Connect the HP-2001AV to your computer’s Ethernet port.