

HomePlug Ethernet Model Number: PE924-HB

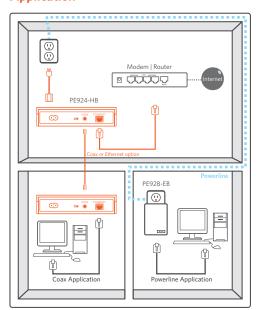


GigaFast AV Coax and Powerline Hybrid Ethernet Bridge operates on the HomePlug Powerline AV Specification standard, providing up to 200Mbps bandwidth over home AC wiring. In addition to allowing data to be passed through AC wiring, the same signal can be sent over coaxial cable. Coax cable is a perfect medium for HomePlug AV data transmission. More distance and higher throughput can be expected over the lower attenuation shielded coax line. The option of either sending the signal over coax or AC is made via a selection switch in the back of the unit.

Plug and play auto-configuration makes for an even better user experience as they can connect the devices as easily as plugging in a TV. The high data throughput and software package make this the perfect solution for home, apartment, school, and community applications.



## Application







## **Features**

- Stand-alone unit attaches directly to broadband device and Home Power line network for seamless integration
- Co-exists with HomePlug 1.0 (14/85Mbps)
- Coax connector allows for Coax lines to be used to transmit signal over additional
- Security push button for software free configuration
- Power packet utility provides unsophisticated users a way to graphically manage their HomePlug network (optional)

## **Specifications**

Frequency Band

Main Chipset Qualcomm 64XX Computer Interface IEEE802.3

IEEE802.3u

Standards HomePlug AV

One RJ-45 (10/100Base-T Ethernet) Network Interface

One Coax connector

One 200Mbps power line port supporting co-existence with

HomePlug 1.0 (14/85Mbps)

Security 128-bit AES link encryption with key management Data PHY Rate 200 Mbps over Powerline and 10/100 Mbps over Ethernet Modulation Schemes OFDM symbol modulation on line synchronization

1024/256/64/16/8 - QAM, QPSK, BPSK, ROBO carrier

modulation 2 ~ 28 Mhz

Additional Protocols Mix of TDMA and CSMA/CA channel access scheme;

CO device generates a periodic beacon carrier for channel

access scheme

**Operation Range** Estimated range of 300 meters in wall power lines

Cabling 100Base-T Cat. 5 UTP cable

Operating Temperature 0°C to 40°C ambient temperature Storage Temperature -20°C to 70°C ambient temperature Humidity 10 to 90% maximum (non-condensing)

Power Input 100 ~ 240V @ 50/60Hz internal **Power Connector** AC power cord in US / UK / EU / AU specifications

Plastic (156mm x 97mm x 26mm) Housing

Software Utility Device detect/diagnostic, NEK password setup for local and

remote device Windows 98 SE, ME, 2000, NT, XP, Vista, or 7

for initial setup (optional)

Status Lights Power: on / off

> Coax / PL link: red / orange / green / off Ethernet link: solid / blinking / off

Certifications HomePlug AV Powerline certification

FCC Class B / CE mark