

HomePlug AV (200Mbps) > Coax and Powerline Hybrid Ethernet Bridge

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.



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 medium
- Security push button for software free configuration
- Power packet utility provides unsophisticated users a way to graphically manage their HomePlug network (optional)

Specifications

Main Chipset	Qualcomm 64XX
Computer Interface	IEEE802.3 IEEE802.3u
Standards	HomePlug AV
Network Interface	One RJ-45 (10/100Base-T Ethernet) 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 10/100Mbps over Ethernet
Modulation Schemes	OFDM symbol modulation on line synchronization 1024/256/64/16/8 - QAM, QPSK, BPSK, ROBO carrier modulation
Frequency Band	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
Housing	Plastic (156mm x 97mm x 26mm)
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

Application

