

HomePlug AV (200Mbps) > 3-Port Ethernet Bridge

The GigaFast HomePlug AV 3-Port Ethernet Bridge operates on the HomePlug Powerline AV Specification standard, providing up to 200Mbps bandwidth over home AC wiring. Combined with a broadband DSL/Cable connection, every room with electrical power outlets will have easy access to high-speed Internet connection. With the 200Mbps high bandwidth, this PE927-EB can provide fast streaming HD movies, online multi-player games, and other data intensive activities for today's HD Entertainment Center demand. With a plug and play installation, you can easily combine all of your AV electronics together and instantly enjoy your Entertainment Center from virtually any room in your home. The best part is that this PE927-EB has built-in 3 Ethernet ports so up to 3 network enabled devices nearby can be networked at the same time.

Like all of our HomePlug AV products, this PE927-EB is equipped with 128-bit AES security encryption. Combining the private home power grid and the 128-bit AES security encryption, this PE927-EB is extremely secure compared to other technologies such as WiFi network.



Features

- Stand-alone unit attaches directly to Broadband device and home power line network for seamless integration
- Up to 200Mbps PHY data rate over powerline
- Co-exists with HomePlug 1.0 (14/85Mbps)
- 3 built-in Ethernet ports for up to 3 network-enabled devices nearby to be networked
- 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	Atheros AR6400
Computer Interface Standards	IEEE802.3; IEEE802.3u
Network Interface	HomePlug AV Three RJ-45 (10/100Base-T Ethernet)
Security	One 200Mbps Power Line Port supporting co-existence with HomePlug 1.0 (14/85Mbps)
Data PHY Rate	128-bit AES link encryption with key management
Modulation Schemes	200 Mbps over Powerline and 10/100Mbps over Ethernet 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	Embedded US / EU / UK / AU specifications
Housing	Plastic (103mm x 74mm x 34mm)
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 PLC link: red / orange / green / off Ethernet link 1 through 3 : solid / blinking / off
Certifications	HomePlug AV powerline certification FCC Class B / CE mark

Application

