

## HomePlug AV (200Mbps) > 4-Port Ethernet Bridge

The GigaFast HomePlug AV 4-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 PS927-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 PS927-EB has built-in 4 Ethernet ports so up to 4 network enabled devices nearby can be networked at the same time.

Like all of our HomePlug AV products, this PS927-EB is equipped with 128-bit AES security encryption. Combining the private home power grid and the 128-bit AES security encryption, this PS927-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)
- 4 built-in Ethernet ports for up to 4 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                 | Qualcomm 64XX   |
| Computer Interface Standards | IEEE802.3 ; IEEE802.3u  |
| Network Interface            | HomePlug AV<br>Four 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<br>OFDM symbol modulation on line synchronization<br>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;<br>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<br>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 (105mm x 76mm x 33mm)   |
| 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<br>PLC Link: red / orange / green / off<br>Ethernet link 1 through 4: solid / blinking / off  |
| Certifications               | HomePlug AV powerline certification<br>FCC Class B / CE mark  |

### Application

