

## HomePlug AV (200Mbps) > mini Ethernet Bridge

The GigaFast HomePlug AV Mini Ethernet Bridge operates on the HomePlug Powerline AV Specification standard, providing up to 200Mbps bandwidth over home AC wiring. PS928-EBg2 is one of the smallest HomePlug AV Ethernet Bridge in the market. 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 PS928-EBg2 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.

Like all of our HomePlug AV products, this PS928-EBg2 is equipped with 128-bit AES security encryption. Combining the private home power grid and the 128-bit AES security encryption, this PS928-EBg2 is extremely secure compared to other technologies such as WiFi network.



### Features

- HomePlug AV Powerline standard
- Ultra small casing
- Supports up to 8 nodes
- Stand-alone unit attaches directly to Broadband device and home power line network for seamless integration
- Optimized for HD/SD cable, satellite and IPTV installations, home multimedia content and storage, multi-room DVR networking, online or networked console and PC video game connections, and much more
- 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	Broadcom BCM60321 chipset
Computer Interface	IEEE802.3 IEEE802.3u
Standards	HomePlug AV TR069
Network Interface	One RJ-45 (10/100Base-T Ethernet) 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	Embedded US / EU / UK / AU specifications
Housing	Plastic (87mm x 55mm x 27mm)
Software Utility	Device detect/diagnostic, NEK password setup for local and remote device Windows 98 SE, ME, 2000, NT, XP, Vista, and 7 for initial setup (optional)
Status Lights	Power: on / off PLC link: red / orange / green / off Ethernet link: solid / blinking / off
Certifications	HomePlug AV Powerline certification FCC Class B / CE mark

### Application

