

HomePlug AV2 (750Mbps) > Ethernet Bridge

The GigaFast HomePlug AV2 750Mbps Ethernet Bridge operates on the HomePlug Powerline AV2 Specification standard, providing up to 750Mbps bandwidth over home AC wiring. PS958-EB63 is one of the smallest HomePlug AV2 750Mbps Ethernet Bridge on the market. The PS958-EB63 uses Broadcom BCM60333 chipset which is optimized for streaming high definition media applications. The BCM60333 includes a faster processor, high speed interfaces and an analog front end (AFE). With these added high performance abilities, PS958-EB63 is perfect for ultra-high speed HD entertainment networks in homes and is perfect for areas that are hard to reach by wireless connections. With a plug and play installation, you can easily combine all of your AV2 electronics together and instantly enjoy your Entertainment Center from virtually any room in your home. Combined with a broadband DSL/Cable connection, every room with electrical power outlets will have easy access to high-speed Internet connection.

Like all of our HomePlug AV2 products, this PS958-EB63 is equipped with 128-bit AES security encryption. Combining the private home power grid and the 128-bit AES security encryption, this PS958-EB63 is extremely secure compared to other technologies.



Features

- Broadcom BCM60333 chipset
- IEEE1901 / HomePlug AV2 standard
- Up to 750Mbps PHY rate
- Stand-alone unit attaches directly to Broadband device and home power line network for seamless integration
- Security push button for software free configuration
- Power packet utility provides unsophisticated users a way to graphically manage their HomePlug network (optional)
- DDR memory (optional)

Specifications

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|-----------------------|---|
| Main Chipset | Broadcom BCM60333 |
| Computer Interface | IEEE802.3 (10BASE-T) IEEE802.3u (100BASE-T) IEEE802.3ab (1000BASE-T) |
| Standards | IEEE 1901 / HomePlug AV2 |
| Network Interface | One RJ-45 (10/100/1000Base-T Ethernet) One 750Mbps power line port supporting co-existence with HomePlug 1.0 (14/85Mbps) |
| Security | 128-bit AES link encryption with key management |
| Data PHY Rate | 750Mbps over Powerline and 10/100/1000Mbps over Ethernet |
| Modulation Schemes | OFDM symbol modulation on line synchronization 1024/256/64/16/8 - QAM, QPSK, BPSK, ROBO carrier modulation |
| Frequency Band | 2 - 86 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 | 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 (86mm x 55mm x 27mm) |
| Software Utility | Device detect/diagnostic, NEK password setup for local and remote device Windows XP, 7, or 8 for initial setup (optional) |
| Status Lights | Power: on / off PLC link: red / orange / green / off Ethernet link: solid / blinking / off |
| Certifications | HomePlug AV2 Powerline certification FCC Class B / CE mark |

Application

