





Model Number: PE929-EP

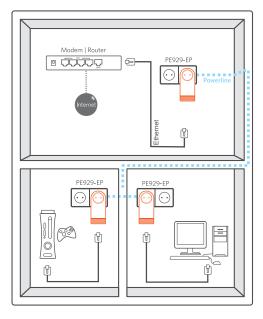
HomePlug AV (200Mbps) > mini Ethernet Bridge with Pass Thru

The GigaFast HomePlug AV mini Ethernet Bridge with Pass Thru operates on the HomePlug Powerline AV specification standard, providing up to 200Mbps bandwidth over home AC wiring. This PE929-EP is the smallest HomePlug pass thru bridge with noise filtering power socket in the market! This PE929-EP has a built-in AC socket with noise filtering feature. As a result, another device needing power can be plugged into the AC socket on this PE929-EP without taking up another wall socket. The built-in noise filter effectively reduces noise interference from the device plugged into the PE929-EP's pass thru socket, thus improving its network bandwidth performance. 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 PE929-EP 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 PE929-EP is equipped with 128-bit AES security encryption. Combining the private home power grid and the 128-bit AES security encryption, this PE929-EP is extremely secure compared to other technologies such as WiFi network.



Application







Features

- Stand-alone unit attaches directly to Broadband device and home power line network for seamless integration
- No new wire approach
- Up to 200Mbps PHY data rate on power line
- Pass-thru socket with filtering
- Available plug types for US, UK, France, Germany, Switzerland, and Italy
- Security push button

Specifications

Main Chipset Qualcomm AR6400

IEEE802.3 Computer Interface IEEE802.3u Standards HomePlug AV

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 10/100 Mbps over Ethernet Modulation Schemes OFDM symbol modulation on line synchronization

1024/256/64/16/8 - QAM, QPSK, BPSK, ROBO carrier

modulation 2 ~ 28 Mhz

Frequency Band 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 EU / UK / US specifications

Pass Thru 12A max. load

Housing Plastic (121.7mm x 56.3mm x 39.3mm)

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

Certifications

PLC link: red / orange / green / off Ethernet link: solid / blinking / off HomePlug AV Powerline certification

FCC Class B / CE mark

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