

## HomePlug 1.0 (85Mbps) > Desktop Power over Ethernet

Do you have an Power over Ethernet product and want to make it HomePlug? Make it HomePlug by attaching the PoE product to GigaFast's HomePlug Turbo Desktop Power over Ethernet. This device comes with built in 802.3af compatible Power over Ethernet connectivity. The PE916-PoE operates on HomePlug 1.0 Powerline specification standard, providing up to 85Mbps bandwidth over home AC wiring. The distinguishing feature of the PE916-PoE is its additional Power over Ethernet feature that can supply DC power to another device (i.e. set top boxes, modems, router or access point) eliminating the need for an additional power supply.

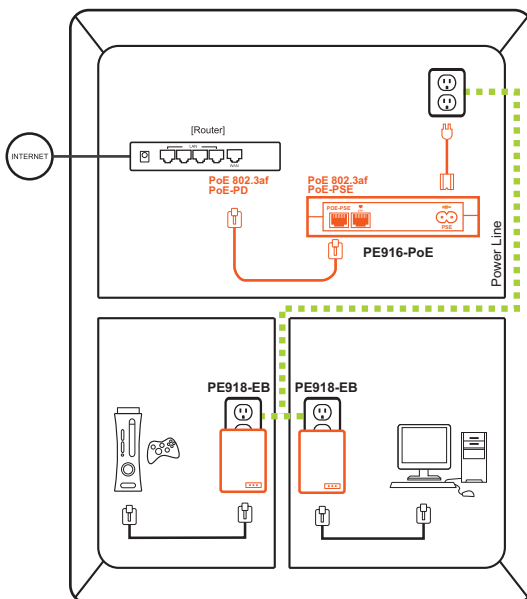
The GigaFast HomePlug Ethernet Bridge is the best solution for No-New-Wires home networking. With easy Plug and Play installation, no need for new wires, and the reliability of GigaFast Ethernet's products, the GigaFast HomePlug Ethernet Bridge is the best solution for high speed networking.



### Features:

- 1-port support 48V DC power to PoE powered device
- Use with PoE (802.3af) enabled IP camera, VoIP, wireless access point, and routers
- End-point insert type and compatible with IEEE802.3af
- Per port feeding power: 15.4watts
- 56-bit DES security

### Application:



### Specifications:

|                                     |   |
|-------------------------------------|---|
| <b>Main Chipset</b>                 | Intellon INT5500  |
| <b>Computer Interface Standards</b> | IEEE802.3; IEEE802.3u, IEEE802.3af  |
| <b>Network Interface</b>            | HomePlug 1.0<br>Two RJ-45 (10/100Base-T Ethernet), one for 48V DC power to PoE<br>One 85Mbps Power Line Port                              |
| <b>Security Software</b>            | 56-bit DES Link Encryption with Key Management<br>HomePlug Configuration Tool for Microsoft Windows 98 SE, ME, 2000, XP, and 32-bit Vista |
| <b>Data Transfer Rate</b>           | 85 Mbps over Powerline and 10/100Mbps over Ethernet   |
| <b>Modulation Schemes</b>           | OFDM Symbol Modulation on Line synchronization  |
| <b>Frequency Band</b>               | 4 ~ 21 Mhz  |
| <b>Additional Protocols</b>         | CSMA/CA   |
| <b>Operation Range</b>              | Estimated range of 300m in wall power lines   |
| <b>Cabling</b>                      | 100Base-T; Cat. 5 UTP Cable   |
| <b>Operating Temperature</b>        | 0°C to 40°C ambient temperature   |
| <b>Storage Temperature</b>          | -20°C to 70°C ambient temperature   |
| <b>Humidity</b>                     | 10 to 90% maximum (non-condensing)  |
| <b>Power Input</b>                  | 100 ~ 240V @ 50/60Hz Internal   |
| <b>Power Connector</b>              | 6 ft AC power cord in US/EU/UK  |
| <b>Housing</b>                      | Plastic   |
| <b>Software Utility</b>             | Device Detect/Diagnostic, NEK Password Setup for Local and Remote Device Windows 2000, ME, NT, XP, or Vista for Initial Setup             |
| <b>LED</b>                          | PoE – Link/Act ; Power ; PL – Link/Act ; ETH – Link/Act ; Powered Ethernet – Link/Act   |
| <b>Certifications</b>               | HomePlug 1.0 Powerline Specification<br>FCC Class B / CE Mark / HomePlug Certification  |

