



HomePlug AV Ethernet Bridge

The HomePlug AV Ethernet Bridge operates on the HomePlug Powerline AV Specification standard, providing up to 200Mbps bandwidth over home AC wiring. Since the home power lines are the most pervasive medium in households with multiple outlets in every room, PWR-EAV HomePlug AV Ethernet Bridge allows multiple home desktops and notebooks to be networked, to share Internet connections, printers, files, and play games without any additional wiring. The installation of the Ethernet Bridge only requires that a 10/100Mbps Network Adapter is installed on the computer.

For security, the HomePlug devices are equipped with 128-bit AES encryption. The private home power grid plus encryption makes HomePlug significantly more secure than competing technologies. The PWR-EAV HomePlug AV Ethernet Bridge is the best solution for No-New-Wires home networking. With easy Plug and Play installation, there is no need for new wires.



Features:

- Stand-Alone Unit Attaches Directly to Broadband Device and Home Power line Network for seamless Integration
- No New Wires Approach
- Up to 200Mbps PHY Data Rate on Power line
- Co-exists with 14.85Mbps HomePlug V1.01
- Compact, Wall-hugging design
- Power Packet Utility provides unsophisticated users a way to graphically manage their HomePlug network

Specifications:

Main Chipset	Intel® INT6000CS+AD8865
Computer Interface Standards	IEEE802.3; IEEE802.3u
Network Interface	HomePlug AV One RJ-45 (10/100Base-T Ethernet)
	One 200Mbps Power Line Port supporting co-existence with 14.85Mbps HomePlug
Security Software	128-bit AES Link Encryption with Key Management HomePlug Configuration Tool for Microsoft Windows 98 SE, ME, 2000 and XP
Data Transfer 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; C/D device generates a periodic beacon carrier for channel access scheme
Operation Range	Estimated range of 300m 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 USB/UART or 8-R AC power cord (option)
Housing	Plastic (Dimensions 73 x 103 x 40mm)
Software Utility	Device Detect/Diagnostic, NEK Password Setup for Local and Remote Device Windows 2000, ME, NT, or XP for Initial Setup
LED	Power / PL - Link/Act; ETH - Link/Act
Weight	110g for 825 device only
Certifications	HomePlug Powerline Specification 1.0 FCC Class B / CE Mark / HomePlug Certification

Application:

