



# PL-200AV-PEW SPEC

## Product Introduction

The PL-200AV-PEW is a wallmount Wireless Homeplug adapter for transmitting data up to 200 Mbit/s (backbone Phy rate) across the household power line and also acting as a WiFi WLAN adapter. The combination of these two technologies allows high speed data networking via any suitable mains socket and, at the same time, local 11g WiFi to locations that are difficult to reach with traditional CAT5 or fixed WiFi access points.

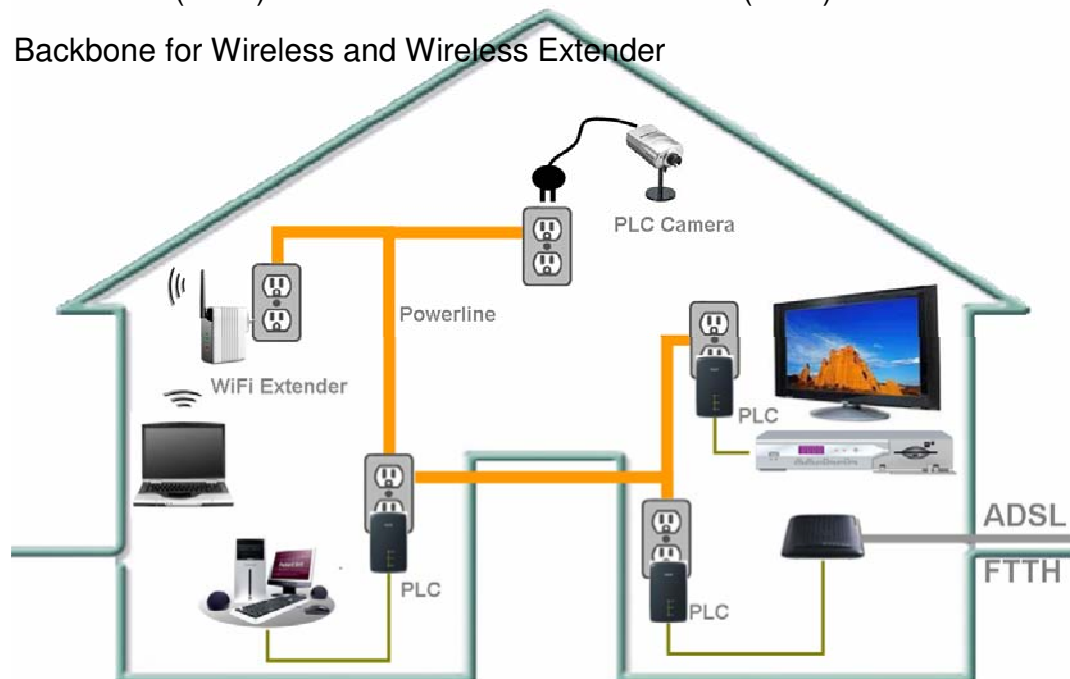
No cables, no drilling: These adapters enable the easy creation of a high-speed network that supports video, voice and data.

- ⌘ Wallmount type and power voltage range of 85 to 265 VAC 50/60Hz
- ⌘ IEEE 802.11b/g compliant, HomePlug AV 1.0 compliant and Co-existence with HomePlug 1.0 Nodes
- ⌘ Support QAM 1024/256/64/16/8, QPSK, BPSK, and ROBO modulation schemes
- ⌘ PLC Up to 200 Mbps data rate on the power line.
- ⌘ 128-bit AES Link Encryption for PLC
- ⌘ Windowed OFDM with noise mitigation based on patented line synchronization techniques improves data integrity in noisy conditions
- ⌘ Dynamic channel adaptation and channel estimation maximizes throughput in harsh channel conditions
- ⌘ TDMA and priority-based CSMA/CA channel access schemes maximize efficiency and throughput
- ⌘ Integrated Quality of Service (QoS) Enhancements: contention-free access, four-level priority based contention access, and multi segment bursting
- ⌘ ToS and CoS Packet Classifiers

- ⌘ Supports IGMP managed multicast sessions
- ⌘ WPA, WPA2, 64/128/152-bit WEP, SSID hide and MAC Address Access Control List for wireless module
- ⌘ Wireless module supports AP Mode

## Application

- ⌘ High Definition (HD) and Standard Definition (SD) video distribution
- ⌘ Higher data rate broadband sharing for power line LAN
- ⌘ Shared broadband internet access
- ⌘ TV over IP (IPTV) and Voice over Internet Protocol (VoIP)
- ⌘ Backbone for Wireless and Wireless Extender



## Parameter and Specification

Parameter	Specification
<b>PLC Module SPEC</b>	
Chipset	Intellon INT6400/INT1400
Serial Flash	16Mbits
SDRAM:	128Mbits
Firmware	Support North America/Europe/APAC/Japan
Protocol	HomePlug AV 1.0 IEEE 802.3 10/100 Ethernet (100Mbps) IEEE 802.3u Fast Ethernet Co-exists with existing HomePlug 1.0
PLC Rate	200Mbit/s
Data Rate - TCP/UDP	65Mbps TCP 90Mbps UDP
Modulation Band	2-30MHz
Modulation Schemes	Supports 1024/256/64/16/8-QAM, QPSK, BPSK and ROBO
Encryption	128-bit AES
QoS	Support contention-free access, four-level priority based contention access, and multi segment bursting Support VLAN Priority Support ToS and CoS Packet Classifier
Work Mode	TDMA and priority based CSMA/CA
Multicast Support	Supports IGMP managed multicast sessions
IPv6	Support
SNMPv2 or v3	Support
Ethernet Interface	1 x RJ45 for 10/100 Ethernet (Auto MDI/MDI-X)
<b>WiFi Module SPEC</b>	
Chipset	Atheros AR2317
Protocol	IEEE 802.11b,g
Wireless Signal Rates With Automatic Fallback	802.11g: 54Mbps 802.11b: 11Mbps



Security

WPA, WPA2, 64/128/152-bit WEP, SSID hide,  
MAC Address Access Control List

## Parameter and Specification

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Wireless Frequency Range	2.4GHz to 2.4835GHz
Modulation Type	For 802.11b (DSSS) For 802.11g (OFDM)
Work Mode	Access Point
<b>System SPEC</b>	
System Support	Windows 98SE, 2000, ME, XP 32/64 bit and Vista 32/64bit
LED's	Power Ethernet: Ethernet Link and Activity Data: PLC Link and Activity Wlan: Wireless Link and Activity
Ethernet Interface	1 x RJ45 for 10/100 Ethernet (Auto MDI/MDI-X)
Consumption	5.5W (Type)
<b>Environment Requirement</b>	
Operating Temperature	0° to 45° C
Storage Temperature	-20 ° to 70 ° C
Operating Humidity	10% to 90% Non-condensing
Storage Humidity	5% to 90% Non-Condensing
Input Rating	100-240 VAC, 50/60Hz
<b>EMC and Safety</b>	
Regulatory Compliance	FCC Part 15 Class B CE
Safety Regulations	UL
Green Standard	RoHS
<b>Physical Characteristics</b>	
Dimension	L×W×H: 112mm×86mm×46mm
Weight	221g