



HomePlug AV 200Mbps Single-Band Wireless-N Extender

The Aztech HL113EW is a **HomePlug AV 200Mbps + 150Mbps Single-band(2.4G) WiFi**. HL113EW embarks on a concept of No New Wires data communications, and it transforms your in-house powerline into a networking infrastructure. It successfully reduce "blind spot", increase throughput and increase network coverage within a home. Surf the Internet and share data at the speed up to 200Mbps PHY rates through powerline, 150 Mbps via Wireless in any outdoor environment and rest assured with the best security from eavesdroppers through encryption on the power circuit and WLAN.

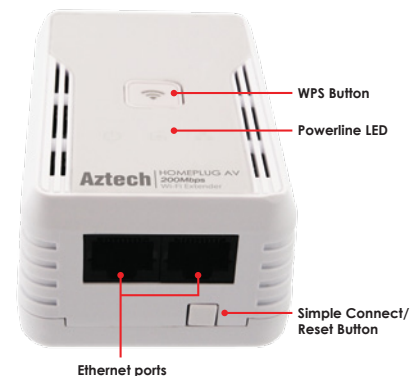
HL113EW HomePlug engine is a Qualcomm Atheros QCA6410 chipset. It features faster processing power, Fast Ethernet host interfaces and an enhanced analog front end. The solution is compliance with IEEE1901 and Homeplug AV, hence allowing hassle free compatibility with existing Homeplug AV devices and other suppliers of IEEE1901 PLC (Powerline Line Communication) devices. As for the Wireless, it is using Qualcomm Atheros AR9331 2.4 GHz Wireless N SoC chipset

Enhanced Quality of Service (QoS) also provides the guaranteed bandwidth reservations for multimedia payloads including TV over IP (IPTV), higher data rate broadband sharing, Online-Gaming, VoIP Calls, extending Wireless LANs coverage, Audio-Video transmission across the network as well as Network camera connectivity.

HL113EW provides a configuration push button for a convenient way of creating HomePlug network without the need to using the Device Utility from a computer. The security feature is supported by 128-bit AES Hardware encryption. As for WLAN security feature, it is supported by WPA, WPA2, and WAP. Ensuring the network communications is free from eavesdroppers and hackers.

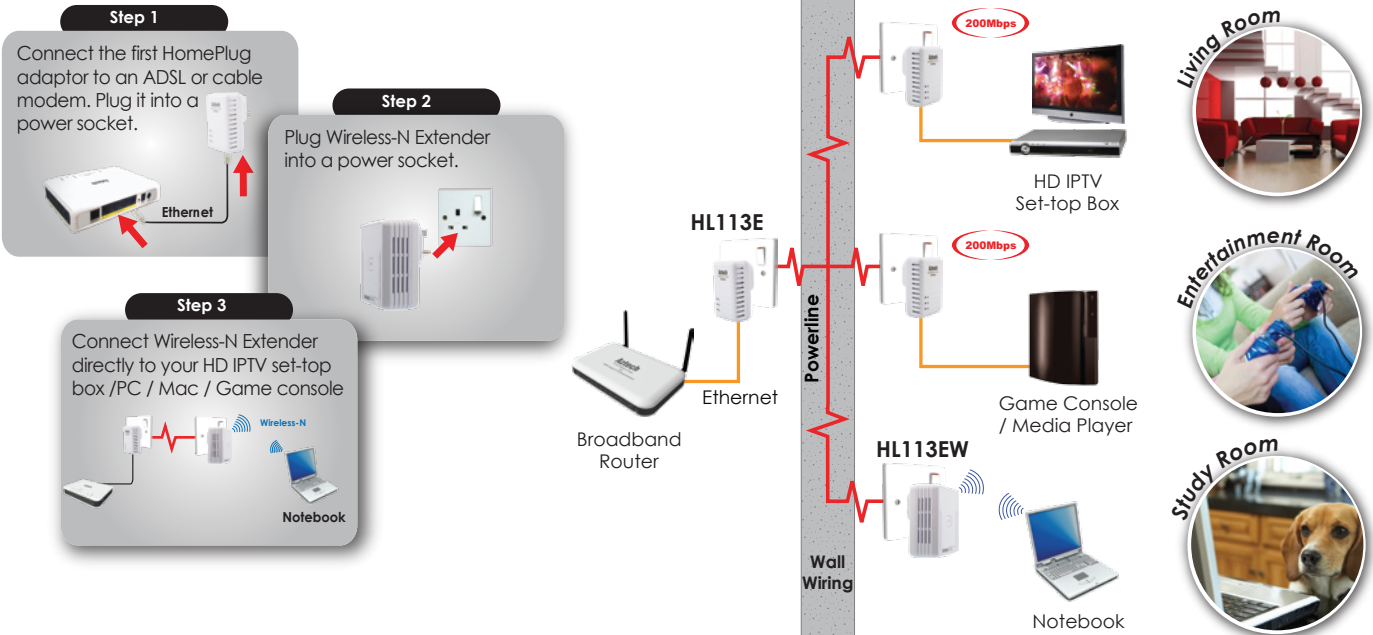
Features

- Low Power Design
- Integrated ARM CPU & Internal memory
- Dynamic channel adaption and channel estimation
- Windowed OFDM with noise mitigation based on patented line synchronization techniques improves data integrity in noise condition
- Advanced Turbo Code Forward Error Correction
- Integrated 10/100 802.3az Ethernet PHY
- Single Chip solution with integrated analog front end and line driver
- Lower cost and power consumption than existing HPAV solutions for lower cost



Plug & Play in Seconds

Easy Setup - No Messy Cables



Specifications

Protocol/Standards	HomePlug	IEEE 1901/HomePlug AV Compliant	Wireless	SPI Flash : 4 MB
		Co- existence with HomePlug 1.0 Nodes		DDR SDRAM : 16 MB
		Compliant to EuP requirements	HARDWARE	PLC
	Wireless	IEEE 1901/HomePlug AV Compliant	Wireless	Qualcomm Atheros QCA6410 chipset
	Ethernet	IEEE 802.3 10/100 Ethernet	PLATFORM SUPPORT	OS Independent with TCP/IP protocol installed
		IEEE 802.3az support	POWER SUPPLY	Switch Mode 100V-240V Supply for Europe/UK/US/ AUS plugs
Data Transfer Rate	HomePlug	Up to 200Mbps over powerline	PHYSICAL SPECIFICATIONS	LED Indicators:
	Wireless	Up to 150Mbps via wireless, 2.4 GHz		1 x Power LED (Green color)
Modulation Support	HomePlug	Supports OFDM 4096/1024/256/64/16/8-QAM, QPSK, BPSK and ROBO Modulation Schemes		1 x Ethernet Link/Activity Status LED (Green color)
	Wireless	BPSK, QPSK, 16-QAM, 64-QAM and forward error correction coding with rates of 1/2, 2/3, 3/4, 5/6	External Connectors	1 x Electrical Power plugs 2 x RJ45 for 10/100 Ethernet
Data Transfer Rate	HomePlug	2MHz to 30MHz band	Push Button/Switch	1 x Configuration Push Button
	Wireless	2.4GHz	Resin/Plastic Casing	Polycarbonate, FR rating UL94-V0
Quality of Service		Priority-based CSMA/CA channel access schemes maximize efficiency and throughput	Dimension	62 mm x 92 mm x 42 mm
		Integrated Quality of Service (QoS) Enhancements	Weight	140 g
		Hardware Packet Classifiers for ToS, CoS and IP	Power Consumption	3.5 Watt (230Vac)
		Port Number	ENVIRONMENTAL	Windows 98SE, 2000, ME, XP 32bit, Vista 32bit, Window 7 (32/64-bit)
Diagnostic and Management Interface		Supports IGMP managed multicast session	ENVIRONMENTAL Temperature	Operating : 0° to 40° Celsius 32° to 104° Fahrenheit
		Homeplug AV generic and vendor specific Management Message Entries (MME)		Non-Operating : -25 o to 70 o Celsius -13 o to 158 o Fahrenheit
Security Support	HomePlug	128-bit AES Link Encryption with key management	Humidity	Operating : 30% to 80% Relative Humidity (Non-Condensing) Non-Operating : 30% to 95% Relative Humidity (Non-Condensing)
	Wireless	WPA/WPA2/EAP		
Memory	HomePlug	SPI Flash : 2 MB		