



200Mbps HomePlug AV Ethernet Adapter with AC Pass Through

The **Aztech HL113EP HomePlug AV 200Mbps AC Pass-Thru Eth Adptr** embarks on a concept of No New Wires® data communications, and it transforms your in-house powerline into a networking infrastructure. It successfully reduce “dead 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, in any outdoor environment and rest assured with the best security from eavesdroppers through encryption on the power circuit.

HL113EP 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.

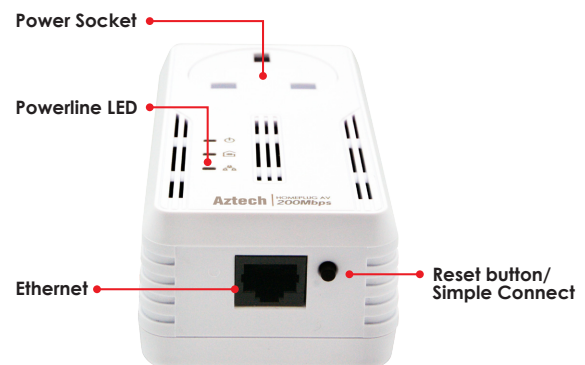
Enhanced Quality of Service (QOS) also provides the guaranteed bandwidth reservations for multimedia payloads including TV over IP (IPTV), higher data rate broadband sharing, Online-Gaming, VoIP Calls, extending Wireless LANs coverage, Audio-Video transmission across the network as well as Network camera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

HL113EP 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, ensuring the network communications is free from eavesdroppers and hackers.

The embedded pass through electricity socket ensures that the user does not lose a wall socket, as well as it provides an AC filtering circuit to ensure that the HL113EP is isolated from locally generated AC noise sources connected to the socket.

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



*Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building material and construction, and network overhead, lower actual data throughput rate.

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Plug & Play in Seconds

Step 1

Connect the first HomePlug adapter to an ADSL or cable modem. Plug it into a power socket.



Step 2

Plug the second HomePlug adapter into a power socket.

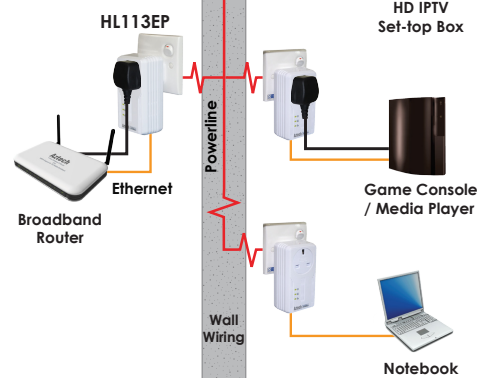


Step 3

Connect the second HomePlug adapter to your HD IPTV Box/PC/Mac/Gaming console/IP camera.



Easy Setup No Messy Cables



Specifications

Protocol/Standards	IEEE 1901/HomePlug AV Compliant	Co- existence with HomePlug 1.0 Nodes	Compliant to EuP requirements
	IEEE 802.3 10/100 Ethernet	IEEE 802.3az support	
Data Transfer Rate	Up to 200Mbps over powerline		
Key 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 HP AV solutions for lower cost
Modulation Support	Supports OFDM 4096/1024/256/64/16/8-QAM, QPSK, BPSK and ROBO Modulation Schemes		
Frequency Band	2MHz to 30MHz band		
Quality of Service	Priority-based CSMA/CA channel access schemes maximize efficiency and throughput		
	Integrated Quality of Service (QoS) Enhancements	Hardware Packet Classifiers for ToS, CoS and IP Port Number	
	Supports IGMP managed multicast session		
Diagnostic and Management Interface	Homeplug AV generic and vendor specific Management Message Entries (MME)		
Security Support	128-bit AES Link Encryption with key management		
Memory	SPI Flash : 2 MB		
AC Pass Through Power Socket	Current Rating: 13A max (UK), 16A max (DEU)		
Hardware	Qualcomm Atheros QCA6410 chipset		
Platform Support	OS Independent with TCP/IP protocol installed		
Power Supply	Switch Mode 100V-240V Supply		
LED Indicators	1 x Power LED (Green)	1 x Powerline Link/Activity Status LED (Bicolor)	1 x Ethernet Link/Activity Status LED (Green)
External Connectors	1 x Electrical plug (available for UK and Europe)	1 x AC Pass-through Socket (available for UK and Europe)	
	1 x RJ45 for 10/100 Ethernet		
Push Button/Switch	1 x Configuration Push Button (for Simple Connect and Factory Default Reset)		
Resin/Plastic Casing	Polycarbonate, FR rating UL94-V0		
Dimension	116(H) mm x 62(W) mm x 42(D) mm		
Weight	200g		
Power Consumption	2.0 Watt (230Vac)		
Platform Support	Windows 98SE, 2000, ME, XP 32bit, Vista 32bit, Window 7/8 (32/64-bit)		
Temperature	Operating : 0° to 40° Celsius	32° to 104° Fahrenheit	Non-Operating : -25° to 70° Celsius -13° to 158° Fahrenheit
Humidity	Operating : 30% to 80% Relative Humidity (Non-Condensing)		
	Non-Operating : 30% to 95% Relative Humidity (Non-Condensing)		