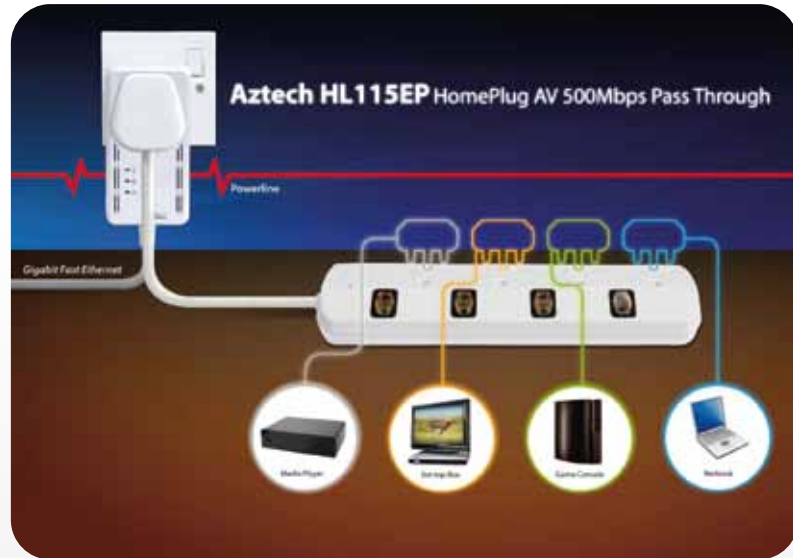# HL115EP
HomePlug AV 500Mbps Pass Through

Aztech

KEY FEATURES

1. Provides No New Wires communications to any rooms, over any powerline wires, at the speed of up to 500Mbps Phy- rates.

2. Utilizing Atheros AR7400 high-speed powerline chipset .

3. Support full multimedia home networking throughout the whole house including simultaneous High Definition (HD) and Standard Definition (SD) video distribution, whole-house audio, Voice Over IP and high speed Internet in addition to data networking.

4. High-speed 500Mbps content on HD IPTV, IP Camera, rate broadband sharing,VOIP Calls, extending wireless Lans coverage and Audio-Video transmission.

5. The simple connect push button provide a convenient way of creating HomePlug network without the need to using the Device Utility from a computer.

PRODUCT SPECIFICATIONS

MAIN FEATURES

Protocol/Standards
□ IEEE 1901/HomePlug AV
□ Co- existence with HomePlug 1.0 Nodes
□ IEEE 802.3 10/100/1000 Ethernet (1Gbps)
□ 10/100/1000 Mbps AutoMDI/MDIX Support
□ Compliant to EuP

Key Feature
□ Advance Green low-power modes
□ Dynamic notching to automatically detect and notch licensed frequency bands
□ Dynamic Neighbour Network mitigation
□ 128-bit AES Link Encryption with key management

Modulation Support
□ OFDM 4096/1024/256/64/16/8 QAM, QPSK, BPSK and ROBO Modulation Scheme

Frequency Band
□ 2MHz to 68MHz band

Quality of Service
□ TDMA channel access with Contention–Free and Contention-Based (CSMA/CA) period
□ Channel Adaptation ensures that signal integrity is maintained even under harsh noise environment
□ Four Level prioritized random access method based on contention access and multi-segment
□ Hardware VLAN, ToS and CoS Packet Classifier and IP Port Number
□ Supports IGMP managed multicast session
□ Quasi Error Free Delivery for IPTV service

Diagnostic and Management Interface
□ Homeplug AV generic and vendor specific Management Message Entries (MME)
□ TR-069 Remote Management

Security Support
□ Utilise Windows 98SE, 2000, ME, XP 32bit, Vista 32bit, Window 7 to enable encryption

Noise Filtering
□ Frequency band 2MHz to 68MHz
□ Filter characteristics : -25dB to -45dB

AC Pass Through Power Socket
□ Current Rating: 13A max (UK), 16A max (FRA/DEU)

HARDWARE
□ Atheros AR7400 + AR1500 chipset

PLATFORM SUPPORT
□ OS Independent with TCP/IP protocol installed

POWER SUPPLY
□ Switch Mode 220V-240V Supply for Europe/ France/Germany/UK plugs

PHYSICAL SPECIFICATIONS
LED Indicators:
□ 1 x Bicolor Power LED
□ 1 x Bicolor Powerline Link/Activity Status LED
□ 1 x Bicolor Ethernet Link/Activity Status LED

External Connectors:
□ 1 x Electrical Power plugs
□ 1 x RJ45 for 10/100/1000 Ethernet (AutoMDI/MDI-X)
□ 1 x AC Pass-Through Power Socket

Push Button
□ 1 x Simple Connect Push Button (Set up network password automatically)
□ 1 x Factory Default Reset Button

Resin/Plastic Casing
□ Polycarbonate, FR rating UL94-V0

Dimension
□ 62mm x 116mm x 42mm

Weight
□ 200g

Power Consumption
□ 4.5 Watt (230Vac)

ENVIRONMENTAL
Temperature
□ Operating   : 0 ℃ to 40 ℃
                    32 ℉ to 104 ℉
□ Non-Operating : -25 ℃ to 70 ℃
                    -13 ℉ to 158 ℉

Humidity
□ Operating   : 30% to 80% Relative Humidity (Non-Condensing)
□ Non-Operating : 30% to 95% Relative Humidity (Non-Condensing)

NOTE : Specifications subject to change without prior notice.

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