

## SMCHPAVH-ETH EZ Connect™ 200 Mbps Powerline Ethernet Hybrid Adapter



### OVERVIEW

The EZ Connect™ 200 Mbps Ethernet-to-Powerline-and-coax hybrid Desktop Adapter (SMCHPAVH-ETH) is compliant with HomePlug Powerline AV Specification standard and supports the distribution of video, voice and broadband internet access over existing electrical wires. In addition, it allows content distribution over home coaxial cable networks as well.

The SMCHPAVH-ETH adapter is the easiest way to create or extend a home network without having to run expensive cabling or perform extensive network configuration. As soon as a powerline AV adapter is connected to the power outlet and an Ethernet equipped device connected to the adapter, each power outlet in the home becomes a network connection. The powerline adapter features data transfer rates up to 200 Mbps with built-in Quality of Service. It is well suited for applications with real-time requirements, such as VoIP, streaming video and an excellent solution for Game Console System connected to the internet for online game playing.

The Ethernet to Powerline Desktop Adapter is compatible with Windows, Mac, and Linux based PCs. The powerline AV adapters can co-exists with other SMC HomePlug adapters and they can also work in conjunction with Ethernet HPNA or wireless home networking devices. Using auto-sensing and rate-adaptive technology, the powerline AV adapter insures that your connection maintains the highest performance available. Combine this with a 128-bit encryption feature and you have a complete solution that is fast and secure.

The SMCHPAVH-ETH also comes with the Configuration utility that runs on PC platforms. This feature-rich utility allows network management for local and remote devices, view connection status, and monitor through-put information. For additional status information, the adapter has easy-to-read diagnostic LEDs.

With all of these features and SMC's innovative desktop chassis, which allows you to connect in places where a bulky wall-mounted adapter won't fit, you have the ideal Powerline network solution to extend the range of your wired or wireless network.

FEATURES	BENEFITS
HomePlug AV, compliant and Interoperable with 1.1/1.0 Standards	Supports up to 16 Power-line devices communicating on a single network, co-exists with SMC HomePlug Turbo (85Mbps)
No new wires required, uses existing electrical wiring in the home	Saves time and money in wiring the home and configuring the network. Turn each power outlet into a network connection point.
Coax connector allows all devices be connected via coaxial cable, an additional medium for networking	Ideal for IPTV and multi-channel HDTV and SDTV distribution
Plug-and-Play installation	Pre-configured hardware for immediate connectivity
Security	128-bit Encryption
Auto-sensing and rate-adaptive technology	Minimizes interference from other household appliances and maintain high performance

### NETWORK INTERFACES

- One RJ-45 (10/100 Base-T Ethernet)
- One Coaxial Connector
- Power line port

### LEDS

- Power (PWR)
- Coax / PLC Link/Activity
- Ethernet Link/Activity

### POWER INPUT

- 100-240VAC @ 50~60Hz (internal)

### ETHERNET STANDARDS

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100 Base-TX Fast Ethernet

### ADDITIONAL PROTOCOLS

- Forward Error Correction (FEC)
- Automatic Channel Adaptation
- Integrated Quality of Service (QoS)

### SECURITY

- 128-bit AES Link Encryption

### CONFIGURATION MANAGER SOFTWARE

- Device Detect/Diagnostic
- NEK Password Setup for Local and Remote Device

### CONFIGURATION MANAGER SUPPORT

- Windows 98SE, 2000, Me, and XP

### CERTIFICATIONS

- HomePlug AV Powerline Specifications
- FCC Part 15 Class B
- CE

### FREQUENCY

- 2 MHZ - 28 MHZ

### MODULATION SCHEMES

- OFDM SYMBOL MODULATION
- QAM, QPSK, BPSK, ROBO CARRIER MODULATION

### TYPICAL COVERAGE

- Estimated range of 300 meters in wall power lines

### HUMIDITY

- Operating: 10% to 90% Non-Condensing

### TEMPERATURE

- Operating: 32° to 104° F / 0° to 40° C

### WARRANTY

- Limited Lifetime

### DIMENSIONS

- 6.2 x 3.9 x 1.2 in
- 157 x 99 x 30 mm

### WEIGHT

- 0.22kg
- 0.48lb

## Contact

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