

SMCHT-ETH EZ Connect™ 85 Mbps Turbo Powerline to Ethernet Desktop Adapter



OVERVIEW

The EZ Connect™ 85 Mbps Turbo Powerline to Ethernet Desktop Adapter (SMCHT-ETH) is the easiest way to create or extend a home network without having to run expensive CAT-5 cabling or perform extensive network configuration. As soon as a Powerline to Ethernet Desktop Adapter is connected to the power outlet, each outlet in your house automatically becomes a network connection, where you can access the internet, email, share devices, and connect network-enabled home entertainment devices. To add Powerline technology to your network, you will need at least two Powerline to Ethernet Desktop Adapters. Simply connect one Powerline to Ethernet Desktop Adapter to one of the available LAN ports on your Barricade Router and another Powerline to Ethernet Desktop Adapter to a PC or a network enabled device and plug the adapters into available power outlets. The Powerline to Ethernet Desktop Adapter is compatible with Windows, Mac, and Linux based PCs. The Powerline to Ethernet Adapter is an

excellent solution for getting your Game Console System, such as Xbox® or PS2®, connected to the internet for online game playing.

The EZ Connect™ 85 Mbps Turbo Powerline to Ethernet Adapter is compatible with the HomePlug 1.0 standard to work across all the types of home wiring. Using auto-sensing and rate-adaptive technology, the Powerline to Ethernet Adapter insures that your connection maintains the highest performance available with data transfer speeds up to 85 Mbps. Combine this performance with a 56-bit Data Encryption Standard (DES) with Key Management security feature and you have a complete solution that is fast and secure.

The EZ Connect™ 85 Mbps Powerline to Ethernet Adapter (SMCHT-ETH) also comes with the EZ Configuration Manager utility, a Powerline management software that runs on PC platforms. This feature-rich utility allows you to manage your network with a friendly naming option for each Powerline device in your network, view connection status, and monitor through-put information. For additional status information, the SMCHT-ETH has easy-to-read diagnostic LEDs which will display if a Powerline network is available as soon as it is plugged into the power outlet.

With all of these features and our 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 1.0 Compatible	Supports up to 16 Powerline devices communicating on a single network
No New Wires Required - uses existing wiring in your home	Save time and money by using the existing power lines in your house. Turn each power outlet in a house into a network connection point
Fast Data rate	Data rate of up to 85 Mbps
Plug-and-Play Installation	Pre-configured hardware for immediate connectivity
Easy-to-Read Diagnostic LEDs	Diagnostic LEDs for Data Transfer information and Powerline network availability
56-Bit Data Encryption Standard (DES)	Protect your information with the 56-Bit DES security option
Innovative Compact Desktop design	It can be used where bulky wall mounted adapters cannot
Auto-sensing and rate-adaptive technology	Minimizes interference from other household appliances and maintain high performance
EZ Configuration Manager Utility	Allows easy setup and allows users to independently manage their Powerline network by supporting friendly names, through-put information, and connection status



TECHNICAL SPECIFICATIONS

SMCHT-ETH

NETWORK INTERFACES

- 10Base-T/ 100Base-TX; UTP cable, 2 pairs, RJ-45 (EIA/TIA Category 5)
- Electrical plug (HomePlug Ethernet)

POWERLINE STANDARDS

- HomePlug 1.01 compatible

LEDs

- Power (PWR)
- HomePlug LINK/ACT (HP)
- Ethernet (ETH)

POWER INPUT

- 100-240VAC @ 50~60Hz (internal) 0.15A

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) - features such as prioritized random access, contention-free access, and segment bursting

SECURITY

- 56-bit Data Encryption (DES) with Dynamic Key Management

CONFIGURATION MANAGER SOFTWARE

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

CONFIGURATION MANAGER SUPPORT

- Windows 98, 2000, Me, NT, and XP

CERTIFICATIONS

- FCC Part 15 Class B
- CE

FREQUENCY

- 4.3 MHZ - 20.9 MHZ

MODULATION

- OFDM Symbol Modulation

MODULATION SCHEMES

- DQPSK, DBPSK, 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

- 3.05 x 4.53 x .98 in
- 77.5 x 115 x 25 mm

WEIGHT

- 4.59oz
- 130g

Contact

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