

PL-85PEW_MK2

PLC+Wi-Fi ADAPTER

Product Introduction

This device can provide the transmission of broadband data service via power line, which are suitable for use in a wide range of both residential (in-home) and commercial (offices, apartments, hotels, warehouses) network applications in which existing power lines can be utilized. It can also be used as wireless access point. There is never any need to install new wires. These adapters enable the effortless creation of a high-speed network that supports video, voice and data.

Feature

PLC:

- Universal supply works over a power line voltage range of 85 to 265 VAC, 50~60Hz

- Support QAM 256/64/16, DQPSK, DBPSK and ROBO modulation schemes

- Up to 85 Mbps data rate on the power line

- HomePlug Turbo 1.0 compatible

- 56-bit DES Link Encryption with key management for secure power line communications

- Integrated Quality of Service (QoS) features such as prioritized random access, contention-free access, and segment bursting

Wi-Fi:

- Integrated Rx/Tx antenna switch, power detector

- Integrated MIPS 4000 processor

- 180 MHz processor frequency

- IEEE 802.11b/g Access Point

- OFDM and CCK modulation schemes supported

- Data rates of 1,2,5.5,6,9,11,12,18,24,36,48,54 Mbps

- IEEE 802.3 Ethernet MAC supporting 10/100 Mbps, full and half duplex, and MII interface to external Ethernet PHY. Frequency Band:2.4GHz

- Data Transfer Rates 11b/g: 54/48/36/24/18/12/11/9/6/5.5/2/1M

- Transmission Distance Indoor up to 100m, outdoor up to 300m

- Antenna: 2dBi

Applications

- Standard Video TV (SDTV)

- TV over IP (IPTV)

- High data rate broadband sharing

- Shared broadband internet access

- Security cameras

- WLAN

External Connectors

- 1 Power interface

- 1 Wi-Fi interface

- 1 RJ-45 interface