



UPL5500-85/85K

85Mbps Powerline Ethernet Adapter

Expand your network over existing powerlines



FEATURES

- Up to 85Mbps data rate over existing electrical line
- Up to 300 meter long transmission distance
- Fully compliant with Homeplug 1.0 Turbo
- Bridge 10/100Mbps Ethernet and powerline network
- Enhanced DES (56 bit) encryption network security
- Simple Plug-&-Play installation to expand network
- Supports Windows based configuration utility
- Flexible MAC for in-home and access network
- Design with 100~230VAC universal power rating
- Integrated Quality of Service (QoS) features such as prioritized random access, contention-free access, and segment bursting
- Supports QAM 256/64/16, DBPSK, and ROBO modulation schemes
- Direct attached to the existing power outlets
- Efficient management of neighbor networks
- No wiring and cabling required
- 10/100Mbps Auto MDI/MDI-X support
- High speed internet access sharing

Package Contents

- One Powerline Ethernet Adapter
(Two for starter Kit Package)
- QIG/Utility CD-ROM
- Network RJ-45 Cable

OVERVIEW

The EUSSO UPL5500-85/85K Powerline Ethernet adapter is built-in Intellon 85Mbps turbo chipset and it provides up to 85Mbps bandwidth over the AC wiring, so it is an idea solution to extend your network by using existing electrical power line in your home or office. It's a simple Plug-and-Play device that can be direct attached to the power outlets on the wall. There is no need for additional wiring and cables to install this powerline device; therefore, it can save money and time to build or create a network easier.

The UPL5500-85/85K is an adapter that can be used to bridge any Ethernet device to your powerline network. The powerline network can be connected to your existing Ethernet which is constructed from router, wireless devices and switches. .

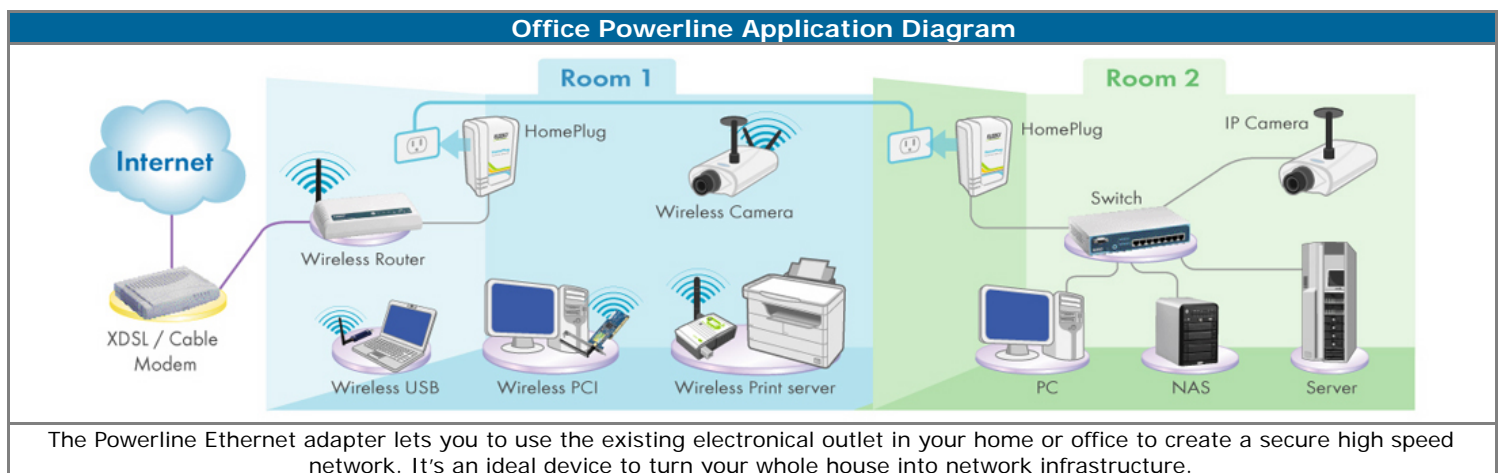
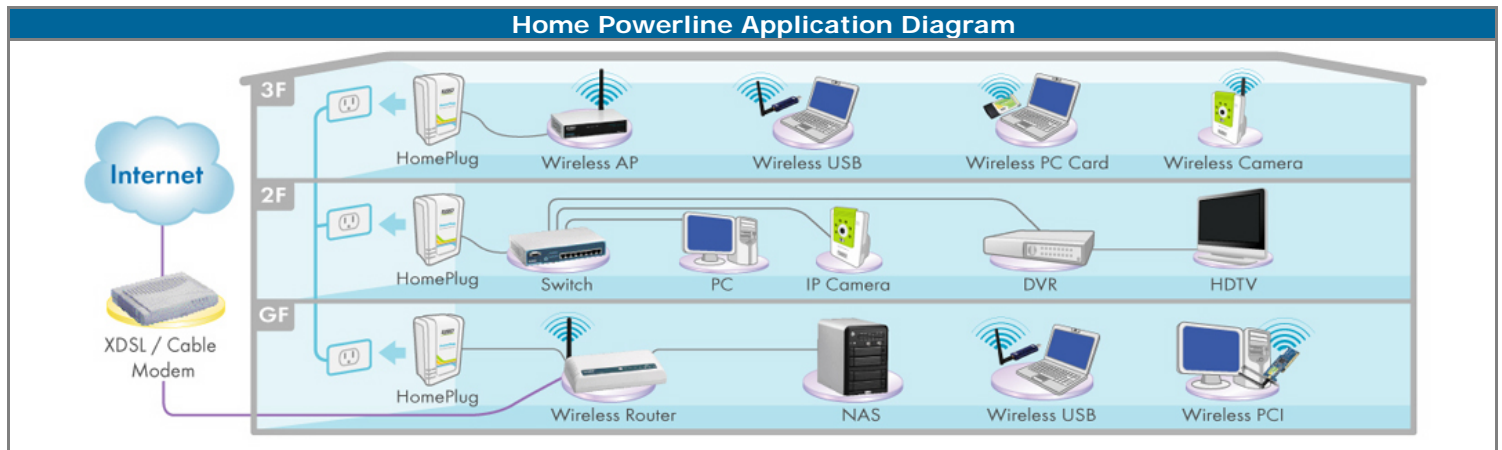
With DES (56bit) encryption, UPL5500-85/85K provides the advanced data security technology for securing your connection to help keep your data safe from intruders through the powerline network you build or create at home or office. You can connect to internet from any room through the network over existing power lines without worry of security holes or hackers to exploit. It also supports QoS for high quality and high speed internet access.

UPL5500-85/85K provides a plug-and-play installation with no new wire, and no driver required. Just plug the powerline adapter into the wall, and connect your Ethernet devices to the adapter, then you can have network infrastructure anywhere in the house or office immediately.

SPECIFICATIONS

Powerline Specifications	
Standards	HomePlug 1.0 Turbo; IEEE802.3, IEEE802.3u, IEEE802.3x
Chipset	Intellon Chipset
Data Rate	Powerline: Up to 85Mbps ; Ethernet: 10/100Mbps RJ-45
Security	56-bit Mixed DES Encryption
Frequency Band	4.5MHz ~ 21MHz
Modulation	OFDM, QAM, 16/64/256 DBPSK, ROBO
Power Consumption	4.29 watts (max.)
Cable Connection	UTP/STP Category 3, 4, 5 or better
LED Indicators	Power, Power Link/ACT, Ethernet Link/ACT
Power	100 ~ 230VAC, Universal
Dimension	100 (W) x 66 (H) x 42 (D) mm (without plug)
Weight	186g
Environment	Operating Temperature: 0°C to 40°C; Operating Humidity: 10% ~ 90% (Non Condensing)
Compliant	CE (Europe), FCC Class B, RoHS Compliant

APPLICATION DIAGRAM



ORDERING INFORMATIONS

Model	Description
UPL5500-85	85Mbps Powerline Ethernet Adapter (Single Package)
UPL5500-85K	85Mbps Powerline Ethernet Adapter Starter Kit (A Pair Package)

2008/5/13 ver 1.0

EUSSO Technologies, Inc. is a dedicated data communication and networking company. With professional experiences in design, production, marketing and service support, we deliver the full range networking products including Gigabit Ethernet, Fiber Optic, Wireless LAN, Switches, Hubs, LAN cards, PCMCIA adapters, Converter, Transceivers. As well as Internet Telephony Gateway, Print Servers, Internet Sharing Servers and many others.



EUSSO Technologies, Inc.

6F, No.389, Sec.2, Chung Shan Road, Chung Ho City, Taipei 235-58, Taiwan

TEL:+886 (2) 8221-4616 E-mail:sales@eusso.com

FAX:+886 (2) 8221-4607 http://www.eusso.com