



UPL5500-85A / -85AK

85Mbps Powerline Ethernet Adapter

Expand your network over existing powerlines



FEATURES

- Up to 85Mbps data rate over existing electrical line
- Up to range of 200 meter long transmission distance
- Fully compliant with Homeplug 1.0 / Turbo standard
- Supports IEEE802.3/802.3u Ethernet standard
- Bridge 10/100Mbps Ethernet and powerline network
- Enhanced 56-bit DES 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 100~240VAC universal power rating
- Supports OFDM, QAM 256/64/16, DQPSK, 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)
- Manual / QIG / Utility CD-ROM
- Network RJ-45 Cable
- Quick Installation Guide (QIG)

OVERVIEW

The EUSSO UPL5500-85A/85AK 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 environment easier.

The UPL5500-85A/85AK 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. .It can auto detect the other powerline bridges which are plugged in the same power circuit.

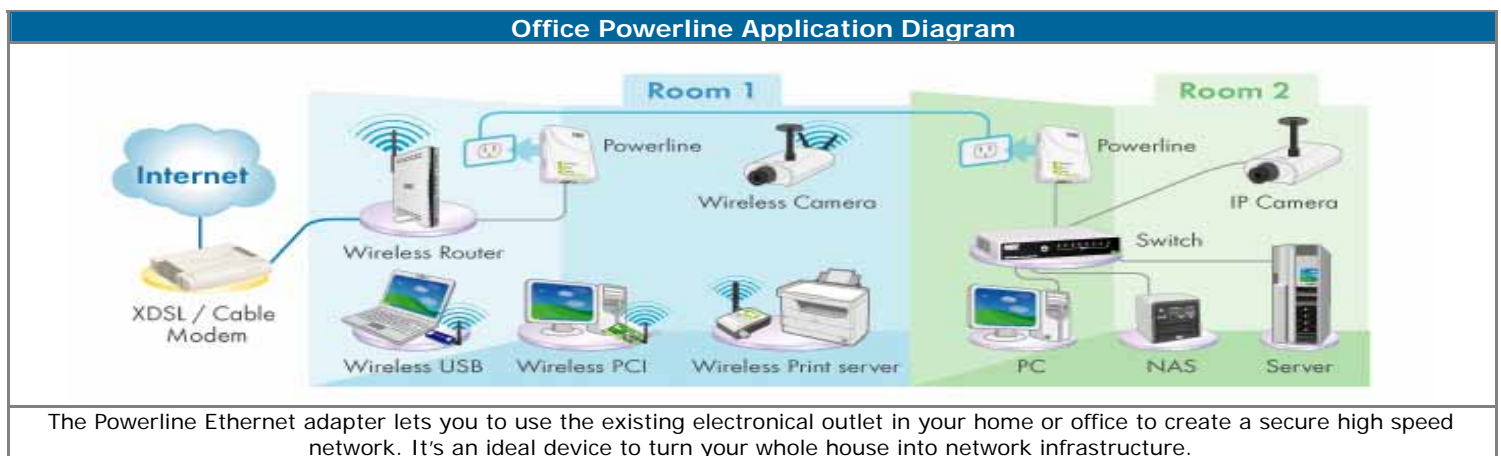
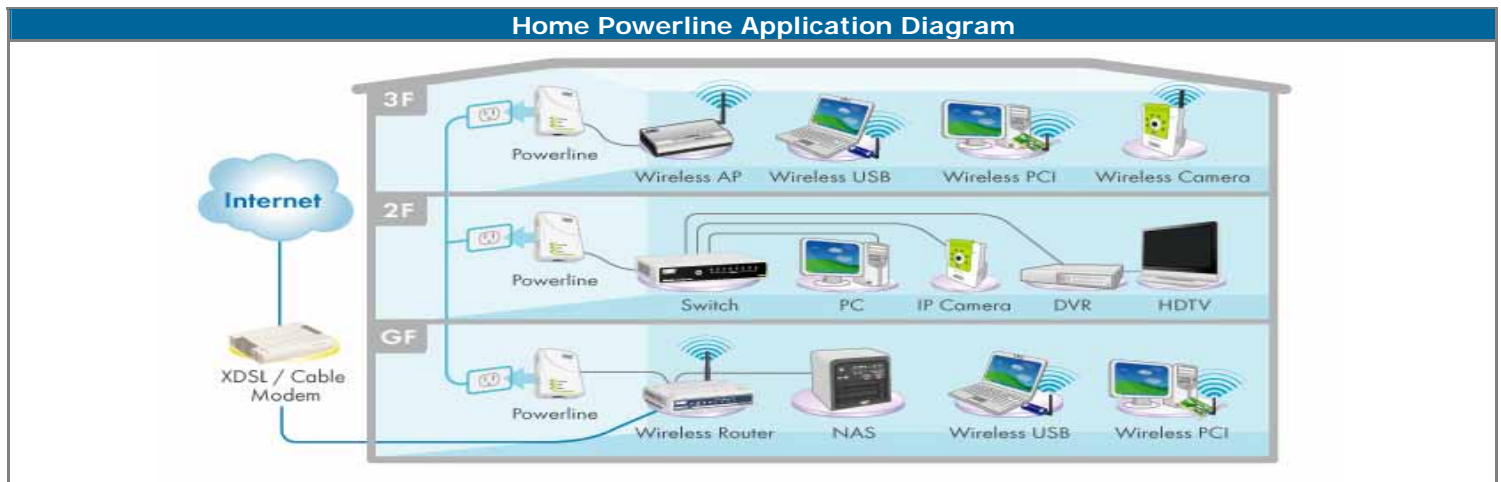
With DES (56bit) encryption, UPL5500-85A/85AK provides the advanced data security technology for securing your connection to help keep your data safe from intruders through the powerline network you build or create at home or office. You can connect to internet from any room through the network over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

UPL5500-85A/85AK provides configuration utility for Windows OS enable the user to find Powerline Ethernet devices on the Powerline network; measures data rate performance, ensures privacy, performs diagnostics and secures Powerline networks.

SPECIFICATIONS

Powerline Specifications	
Standards	HomePlug 1.0 Turbo, IEEE802.3, IEEE802.3u
Chipset	Intellon Chipset
Data Rate	Powerline : Up to Turbo 85Mbps high speeds, Ethernet : 10/100Mbps RJ-45
Security	56-bit Mixed DES Encryption
Frequency Band	4.3MHz ~ 20.9MHz
Modulation	OFDM, QAM 256/64/16, DQPSK, DBPSK, ROBO
Cable Connection	UTP/STP Category 3, 4, 5 or better
LED Indicators	Powerline, Link, Power
Power	100 ~ 240VAC Switching Power
Dimension	96 (W) x 73 (H) x 33 (D) mm (without plug)
Weight	135g
Environment	Operating Temperature : 0°C to 40°C; Operating Humidity : 10% ~ 90% R/H (max)
Compliant	CE, FCC, LVD, RoHS

APPLICATION DIAGRAM



The Powerline Ethernet adapter lets you to use the existing electrical outlet in your home or office to create a secure high speed network. It's an ideal device to turn your whole house into network infrastructure.

ORDERING INFORMATION

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

2009/10/28 V 2.0F

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.



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