85M Powerline Wallmount Adapter

Pi699E2.1U7-3 SPEC

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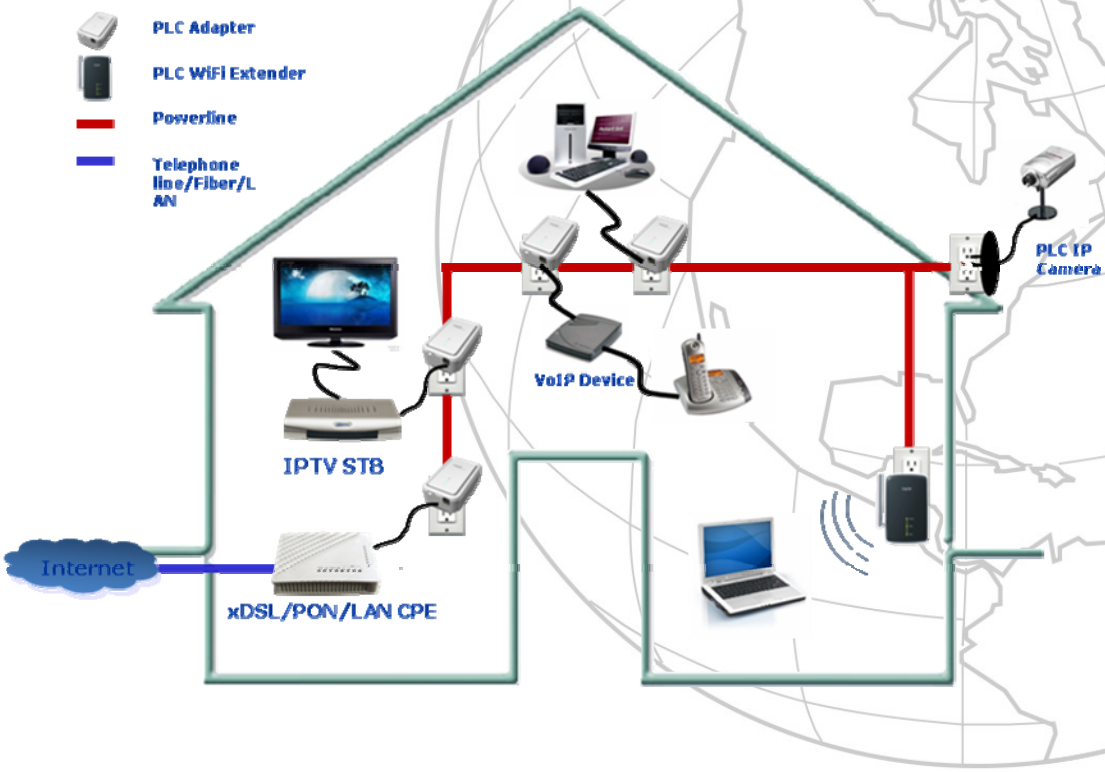
Product Introduction

This 85M Wallmount 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. 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.

- Wallmount type and power voltage range of 85 to 265 VAC 50/60Hz
- HomePlug 1.0.1 Turbo compliant
- Support QAM 256/64/16/8, QPSK, BPSK, and ROBO modulation schemes
- Up to 85 Mbps data rate on the power line.
- 56-bit DES Link Encryption with key management for secure power line communications
- Windowed OFDM with noise mitigation based on patented line synchronization techniques improves data integrity in noisy conditions
- Priority-based CSMA/CA channel access schemes maximize efficiency and throughput
- Integrated Quality of Service (QoS) Enhancements
- Supports IGMP managed multicast sessions

Application

- Standard Definition (SD) video distribution
- Higher data rate broadband sharing for power line LAN
- Shared broadband internet access
- TV over IP (IPTV) and Voice over Internet Protocol (VoIP)



Parameter and Specification

Parameter	Specification
System SPEC	
Chipset	Intellon INT5500
Serial Flash	8Mbits
Firmware	Intellon 5500 with FW1.5/ FW1.6/ FW1.8
Feature and Technology SPEC	
Protocol	HomePlug 1.0.1 Turbo IEEE 802.3/3x/3u
System Support	Windows 98SE, 2000, ME, XP 32/64 bit and Vista 32/64bit
PLC Rate	85Mb
Data Rate - TCP/UDP	30Mbps TCP 40Mbps UDP
Modulation Band	4-21MHz
Modulation Schemes	Supports256/64/16/8-QAM, QPSK,BPSK and ROBO
Encryption	56-bit DES
QoS	Integrated Quality of Service (QoS) Enhancements
Work Mode	Priority based CSMA/CA
Sum of membership	Up to 16 PLCs
Multicast Support	Supports IGMP V2
IPv6	Support
LED's	Power Ethernet: Ethernet Link and Activity Data: PLC Link and Activity
Power Socket	Support British, Euro, Japan, US and China power connector
Ethernet Interface	1 x RJ45 for 10/100 Ethernet (Auto MDI/MDI-X)
Consumption	2.5W
Environment Requirement	
Operating Temperature	0º to 45º C
Storage Temperature	-20 º to 70 º C
Operating Humidity	10% to 90% Non-condensing
Storage Humidity	5% to 90% Non-Condensing
Input Rating	100-240 VAC, 50/60Hz

Parameter and Specification

Parameter	Specification
EMC and Safety	
Regulatory Compliance	FCC Part 15 Class B CE
Safety Regulations	UL
Green Standard	RoHS
Physical Dimension	
Physical Characteristics	L×W×H: 101mm*68mm*56mm
Weight	129g