

200Mbps Powerline Y-Cable Adapter

200AV-12V-PSU

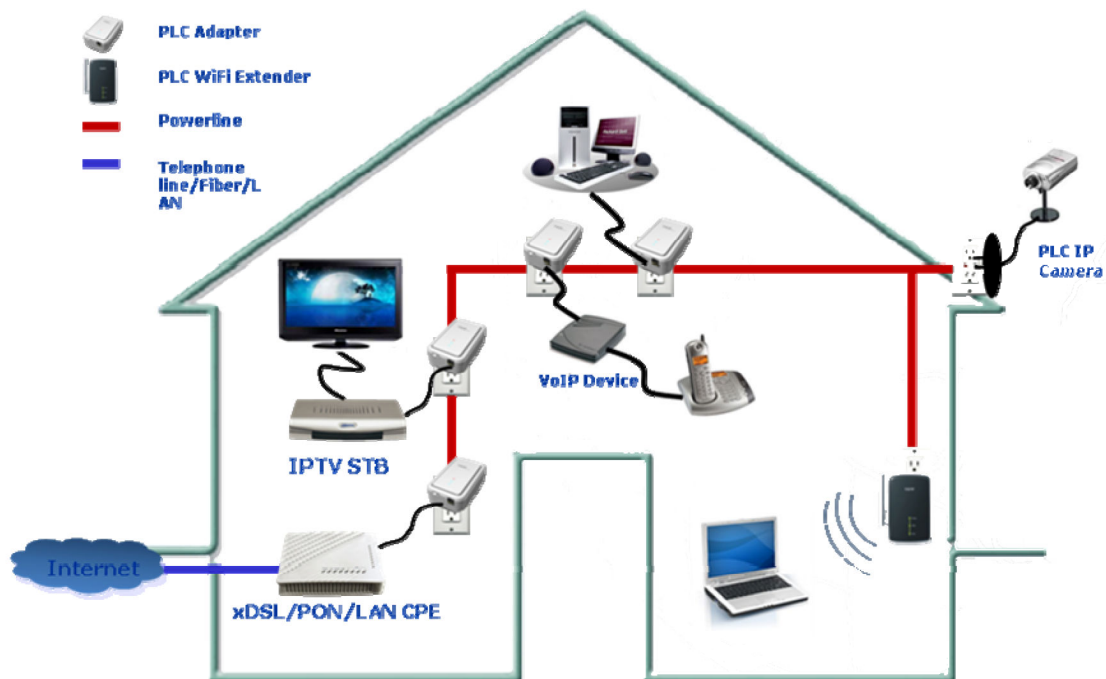
Product Introduction

This 200Mbps Powerline Y-Cable adapter supports HomeplugAV mains networking for the transmission of broadband data service and it's also a DC 12V power adapter which can be used to power a wide range of both residential (in-home) and commercial (offices, apartments, hotels, warehouses) network products. Using the mains wiring for networking means there is no need to install new network cables or to rely upon insecure and unstable WiFi connectivity. These adapters enable the effortless creation of a high-speed network that supports video, voice and data and can also be used to power the networked device (note the device needs to support DC power, 12V, 2A maximum).

- Mainspower voltage range of 85 to 264 VAC 50/60Hz
- HomePlug AV compliant and Co-existence with HomePlug 1.0 Nodes
- PLC Up to 200 Mbps data rate on the power line
- Support QAM 1024/256/64/16/8, QPSK, BPSK, and ROBO modulation schemes
- 128-bit AES 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
- Dynamic channel adaptation and channel estimation maximizes throughput in harsh channel conditions
- TDMA and priority-based CSMA/CA channel access schemes maximize efficiency and throughput
- Integrated Quality of Service (QoS) Enhancements
- Supports IGMP managed multicast sessions
- Power adapter Feature
- DC output voltage: 12VDC DC rated current: 2A

Application

- High Definition (HD) and 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 INT6400/int1400
SDRAM:	64Mbit
Flash	16Mbit
Firmware	Support Europe
Feature and Technology SPEC	
Protocol	HomePlug AV IEEE 802.3 /802.3u
System Support	Windows, Mac, Linux
PLC Rate	200Mbps
Data Rate - TCP/UDP	65Mbps TCP 90Mbps UDP
Modulation Band	2-30MHz
Modulation Schemes	Supports 1024/256/64/16/8-QAM, QPSK, BPSK and ROBO
Encryption	128bit AES
QoS	Integrated Quality of Service (QoS) Enhancements
Work Mode	CSMA/CA
Multicast Support	Supports IGMP
IPv6	Support
LED's	Power Ethernet: Ethernet Link and Activity Data: PLC Link and Activity

Parameter and Specification

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Push Button	Reset: Restore the default factory settings Security: Set up network password automatically
Power Socket	British
Ethernet Interface	1 x RJ45 for 10/100 Ethernet (Auto MDI/MDI-X)
DC output voltage	12VDC \pm 5%
DC rated current	2A
Output ripple	<120mV
Consumption	3.5W (typical), Under 1W(Stand-by mode)
Environment Requirement	
Operating Temperature	0° to 45° C
Storage Temperature	-20 ° to 70 ° C
Operating Humidity	10% to 90% Non-condensing
Storage Humidity	5% to 95% Non-Condensing
Input Rating	100-240 VAC, 50/60Hz
EMC and Safety	
Regulatory Compliance	CE, FCC
Safety Regulations	UL
Green Standard	RoHS , WEEE
Physical Dimension	
Physical Characteristics	L \times W \times H: 127mm \times 61mm \times 38mm
Weight	247g