

500Mbps Wireless PLC adapter

Model No.: ADA140302

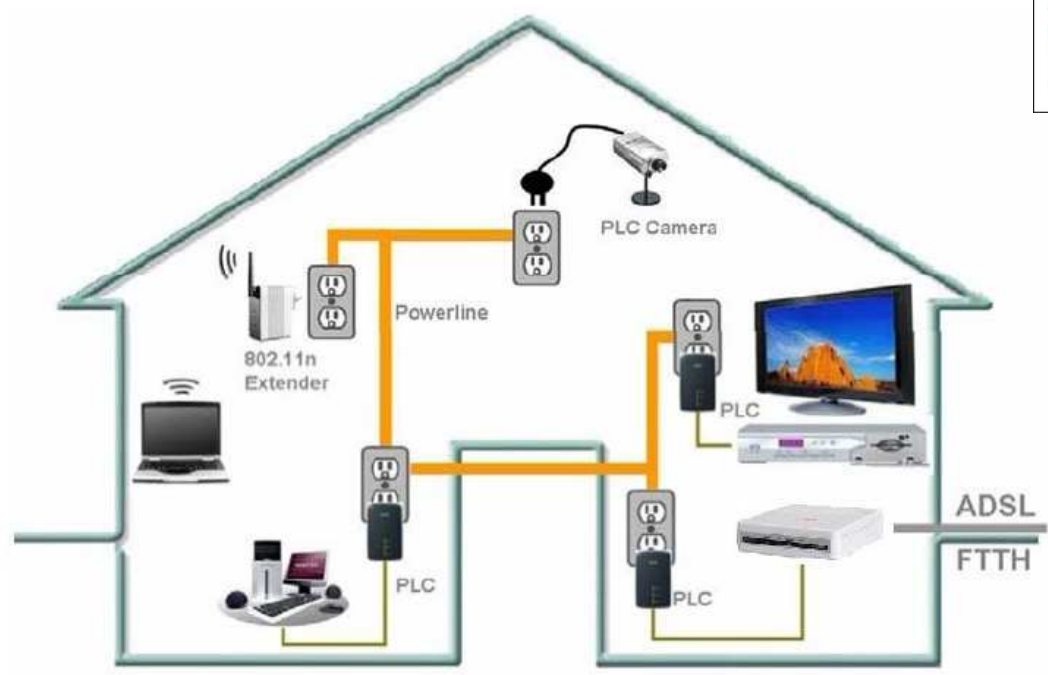


Product Introduction

This 500Mbps powerline wallmount wireless 2T2R 11n adapter is designed for PHY rate up to 500Mbps, with transmitting data up to 95Mbps (Homeplug AV) across the household power line and 300Mbps across wireless (802.11n). Embedded with high integrated AR7420 chipset, the adapter has one LAN port and one WAN port, which can also be configured to LAN port for multiple end users. Every power socket could become a 11n and wired connection so even complicated corners that used to be unreachable with wireless or wiring is now able to access the internet conveniently, which is suitable and secure for use in a wide range of both residential (in-home) and commercial (offices, apartments, hotels, warehouses) network applications.

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)
- Backbone for wireless and wireless extender
- Video surveillance
- Online Gaming



Specifications

SYSTEM SPECS	
Chipset	Atheros AR7420
SDRAM	256bits
Serial Flash	64Mbits
Firmware	Support US,EU,UK,Japan
TECHNICAL SPECS	
Standards and Protocols	HomePlug AV IEEE 802.3 /802.3u
System Requirements	Windows 98SE, 2000, ME, XP, Vista ,7
PLC Data Rate	500Mbps
TCP/UDP	95Mbps TCP 95Mbps UDP
Modulation frequency band	2-68MHz
Modulation schemes	Support 4096/1024/256/64/16/8-QAM, QPSK,BPSK and ROBO
Encryption	128-bit AES
Media Access	Priority based CSMA/CA
WiFi Module SPEC	
Chipset	AR9341
Standards and Protocols	IEEE 802.11b/g/n
Data rate	11n: Up to 300 Mbps in 40MHz mode Up to 150 Mbps in 20MHz mode 11g: Up to 54Mbps 11b: Up to 11Mbps
Wireless Frequency Range	2.4GHz to 2.484GHz
Modulation Scheme	For 802.11b: CCK,DBPSK



	For 802.11g: 64QAM,16QAM,QPSK,BPSK For 802.11n: 64QAM,16QAM,QPSK,BPSK
Safety	WPA,WPA2,64/128/152-bit WEP,SSID hide, MAC Address Access Control List
Wireless Receiving Sensitivity	802.11n:-61dBm
Wireless Output Power	< 17dBm
LED's	Power Data WLAN Ethernet
Plug type	CN/EU/US/UK
WAN Port	One RJ45(IEEE 802.3 10/100Mbps),could be configured to LAN port
LAN Port	One RJ45 (IEEE 802.3 10/100Mbps)
Button	Reset Security WPS
System upgrade	Support
Power consumption	6.5W operation

Environment requirements	
Operating Temperature	0° to 40° C
Storage Temperature	-20 ° to 70 ° C
Operating Humidity	10% to 90%RH
Storage Humidity	5% to 90% RH
Input rating	100-240 VAC, 50/60Hz
Physical dimension	
Physical size	L×W×H: 107mm*62mm*48.5mm
weight	180g