500Mbps Wallmount Powerline Adapter
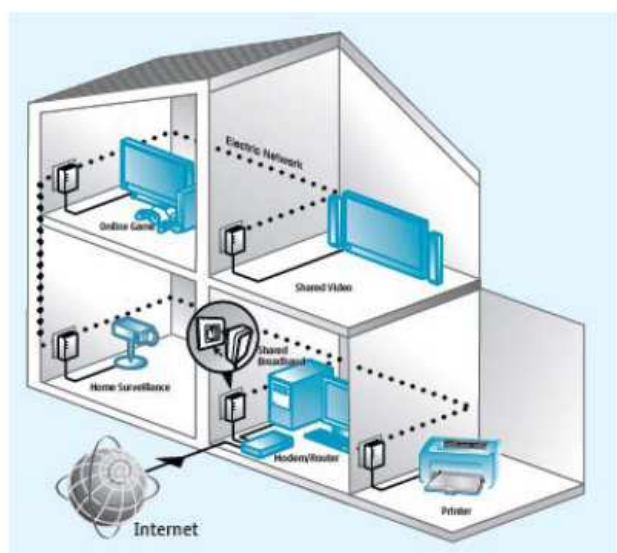
Model No.:ADA140301

Product Introduction

This 500Mbps nano powerline wallmount adapter is designed for PHY rate up to 500Mbps and throughput up to 95Mbps across the household power line. Embedding high integrated AR7420 chipset, the adapter is low in power consumption and small in size.Every power socket could become a network connection so even complicated corners that used to be unreachable with wiring is now able to go online 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

Parameter Specification

System SPEC	
Chipset	Atheros AR7420
SDRAM	128bits
Serial Flash	16Mbits
Standard	IEEE 1901 and HomePlug AV compliant Co-existence with HomePlug 1.0 Nodes
Peak PHY Rate	500Mbps
Peak Throughput	95Mbps UDP 95Mbps TCP
Range	Up to 300m
Frequency	2-67.5MHz
Modulation Schemes	Supports 4096/1024/256/64/16/8-QAM, QPSK,BPSK and ROBO
Security	128-bit AES
QoS	no
Max PLC Nodes	16
IGMP Streams	16
TR-069 Support	no
Media Access	CSMA/CA
IPv6/MLDv2	Support
LED's	Power Ethernet: Ethernet Link and Activity Data: PLC Link and Activity
Push Button	Security
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	＜2.7W 1.6W Idle 0.34W Standby

Environment Requirement

Operating Temperature	0°C to 40°C
Storage Temperature	-20 $^{\circ}$C to 70 $^{\circ}$C
Operating Humidity	10% to 90% Non-condensing
Storage Humidity	5% to 90% Non-Condensing
Input Rating	100-240 VAC, 50/60Hz

Physical Dimension

Physical Characteristics	L×W×H: 69mm*58mm*31mm
Weight	80g

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