

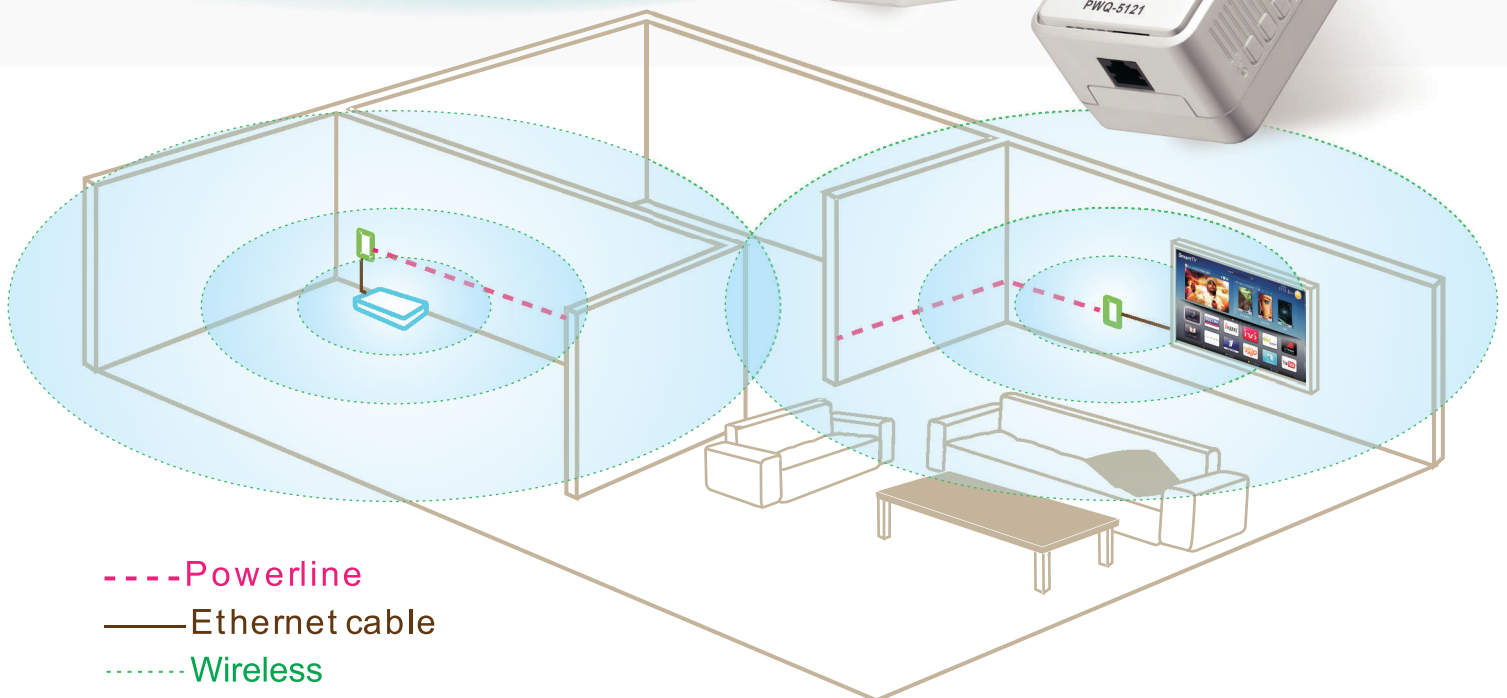
Hy-Fi Powerline Adapter

The next generation of powerline networking solution.

Integrates its Wi-Fi, Powerline and Ethernet connectivity to ensure HD content can be delivered anywhere in the house..



**PLC
500 + Wi-Fi 300**



Whole House Coverage

The PWQ-5121 guarantee your home network connection to the farthest corner or different floor of your home by using existing's electrical wiring in your walls.



Blazing Fast Network

PWQ-5121 combines up to 500 Mbps Internet connection over your electrical wiring and wireless N connectivity for up to 300 Mbps across your home.



Smartlink Supported

With SmartLink technology, the PWQ-5121 ensure the greatest performance even in the most challenging environment.



PLC Network Coverage Extended

For maximum range, the PWQ-5121 can automatically use the most efficient wires out of three (line, neutral, and ground) for data transmission.

Features

- 800 Mbps ultra-high speed network;
Combines the bandwidth of Wi-Fi and Powerline.
- SmartLink supported; Improve PLC performance by up to 50%.
- 2T2R Dual Band 2.4G / 5G; Selectable 802.11n Wi-Fi network.
- AC Pass-through with noise filter built-in.
- Path Selection: Each stream is assigned to an interface (Wi-Fi or PLC) based on its type and the available bandwidth on the Wi-Fi or PLC..
- Load Balancing: If a traffic (Wi-Fi or PLC) becomes congested, some data transmission will be moved to other available interface to relieve the congestion.
- Fail Over: If data transmission failed, it will be moved to other available interfaces.
- Compliant with IEEE 1905.1



Specifications

Model	PWQ-5121
Chipset	AR7420 + AR9344
Supported Protocols	HomePlug AV1.1 IEEE802.11a/b/g/n IEEE802.3 IEEE1905.1
Data Transfer Rate	PHY Rate: up to 500Mbps (Enhance throughput by up to 50 percent in high attenuation areas) TCP Rate: up to 95Mbps UDP Rate: up to 95Mbps
Frequency Band	PLC: 2 to 28 MHz, 30 to 68 MHz WLAN: 2.4~2.4835 GHz, 5.18~5.7 GHz
Ethernet Port	1-port 10/100/1000 ethernet
Group/WPS/Reset Button	Yes
LED	Power, PLC Link, Wireless Link, Ethernet Link
AC pass-through Built-in	Yes
Safety Shutter for Child Protection	Yes
Pass-through Current	16-20A
Noise Filter	-30dB to -45dB @ 2-68MHz
Operation Temperature	0 C to +40 C
Operation Humidity	10 to 90% non-condensing
Power Supply	100 ~ 240 VAC 50/60 Hz
Electrical Plug Type	Available for Type E, F and US
PLC Modulation	OFDM 4096/1024/256/64/16/8 QAM, QPSK, BPSK, ROBO
PLC Access Method	CSMA/CA channel-access Schemes
QoS (Quality of Service)	Yes
Max IGMP based IPTV streams	up to 16
PLC Transmission Distance	AC Wiring: up to 300 meters
Node Support	Active: 8 / Total: 16

* Specs subject to change without notice