

Extend both wired and wireless networks to far corner of the house

500 Mbps Powerline Wireless N Extender Kit **PWQ-5101C**



802.11n

PLC 500 Mbps



Simply extend your wireless and wired connection in the house by using your home's existing electrical wiring.

- 802.11n + PLC500 Combination
- Easy Setup, It's Powerline's DNA
- Silk Design Fits in The House
- Worry-Free Networking



Blazing Fast Network

PWQ-5101 can provide up to 500 Mbps Internet connection over your electrical wiring and wireless N connectivity for up to 150 Mbps across your home.



Easy Setup, it's Powerline's DNA

Simply plug into wall outlets to instantly extend wired and wireless connection in the house by using your home's existing electrical wiring, anywhere, anytime.



Worry-free Networking

Equipped with the industry-standard encryption technologies, including 128-bit AES, WPA/WPA2 and WPS to protect your privacy of data.



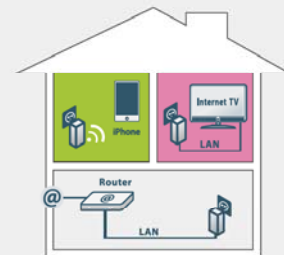
Silk Design Fits in House

The PWQ-5101 is wall-plugged PLC adapter with internal high performance antenna integrated.

It fits nicely behind furniture or amongst a home entertainment environment.

How do they work?

- Plug PLQ-5100 into wall outlet and connect with a residential gateway or router
- Plug the PWQ-5101 into the wall outlet
- The PWQ-5101 will extend Wireless signal from existing router and provide 1 LAN ports for wired connection



Specifications

		
Model	PLQ-5100	PWQ-5101
Chipset	AR7420	AR7420 + AR9331
Supported Protocols	LAN: 10/100 Based-TX Ethernet PLC: HomePlug AV 1.1, IEEE 1901	WLAN: IEEE 802.11 b/g/n PLC: HomePlug AV 1.1 LAN: 10/100 Based-TX Ethernet
Data Transfer Rate (PHY/TCP/UDP)	PHY Rate: up to 500Mbps TCP Rate: up to 95Mbps UDP Rate: up to 95Mbps	WLAN to Ethernet: up to 93 Mbps WLAN to PLC: up to 90 Mbps PLC to Ethernet: up to 95 Mbps (TCP)
Frequency Band	2~28 MHz, 30~68 MHz	WLAN: 2.4~2.4835GHz PLC: 2~28 MHz, 30~68 MHz
Security encryption	128-bit AES w/ Key management	WLAN: WPS and PIN code, WPA-PSK, WPA2-PSK PLC: 128-bit AES
Ethernet Port	1-port 10/100 ethernet	1-port 10/100 ethernet
Group/ Reset Button	Yes	Yes
LED	Power, Ethernet Link, and PLC Link	Power, PLC Link, Wireless/ Security, and Ethernet
Operating Temperature	0~40 C	0~40°C
Operating Relative Humidity	10~85% non-condensing	10~85% non-condensing
Power Supply	100-240 VAC, 50/60Hz	100-240 VAC, 50/60Hz
Power Consumption	Full Load < 2.4W Standby Mode < 0.5W	Full Load < 6W Off Mode < 0.5W
Electrical Plug Type	Custom	Custom
Dimension (L x W x H)	67.5x 56x 31 mm	105x 56x 46 mm
PLC Modulation	OFDM (QAM 8/16/64/256/1024/4096, QPSK, BPSK, ROBO)	OFDM (QAM 8/16/64/256/1024/4096, QPSK, BPSK, ROBO)
PLC Access Method	CSMA/ CA channel-access Schemes	CSMA/ CA channel-access Schemes
QoS (Quality of Service)	Yes	Yes
Max IGMP based IPTV streams	up to 16	up to 16
PLC Transmission Distance	AC wiring: up to 300 meters	AC wiring: up to 300 meters
Maximum Supported Devices in a PLC network group (Active/Total)	8/16	8/16
Regulation	FCC, CE, CE-LVD, RoHS, Erp/Eup	FCC, CE, CE-LVD, RoHS, NCC

* Specs subject to change without notice

