

Turn Your Electrical Outlet Into High-Speed Network Connection

Powerline 200Mbps Ethernet Adapters

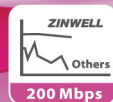
200 Mbps Series



Easy-to-use

The Easy-to-use Network Utility

The **ZINWELL** PLC adapters allow you to create an Internet connection in your house by using your home's existing electrical wiring - all you have to do is plug them into your wall outlet.



200 Mbps

Decent Performance

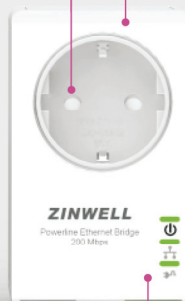
With **ZINWELL**'s exclusive enhancement technology, the PLC adapters are capable of high speed data transmission (UDP up to 94Mbps) and low data recession in practical environment.

Safety that Matters

Offers the over-current protection rated of up to 20A and safety shutter for child protection.

AC Pass-through Built-in

Enabled to plug another device into the same power point. The socket also uses noise filtering to ensure your signal is not disrupted by other electrical device.



Extremely Compact in Size

Measures 67.5 x 56 x 31mm which is the smallest form factor on the current market.

Energy Efficiency

Consume less than 5.0W in full load mode and 1.0W in standby mode

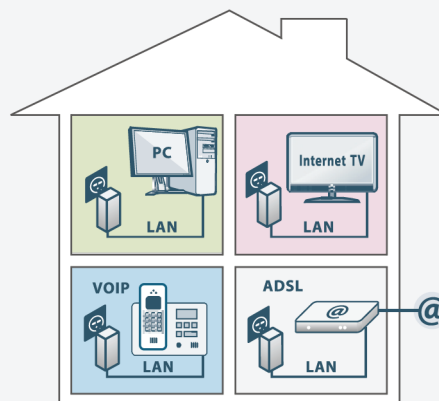
The 4-port Ethernet Adapter

Serves as a Switch replacement for connecting up to 4 Ethernet devices.



How do they work?

- Plug Powerline adapter into the wall outlet and connect with your home modem or router
- Plug another Powerline adapter into the wall outlet and connect with your networked device at the other end
- Powerline adapters will create a path to send Internet signals between your modem and networked device.



Specifications

					
Model	PLB-210	PLQ-2100	ZPL-230	ZPL-235	ZPL-254
Chipset	BCM60321	QCA6410	INT6400	AR6405	INT6400
Supported Protocols	LAN: 10/100 Base-TX PLC: HomePlug AV 1.1, IEEE 1901	LAN: 10/100 Base-TX PLC: HomePlug AV 1.1, IEEE 1901	LAN: IEEE 802.3, IEEE 802.3u PLC: HomePlug AV 1.1	LAN: IEEE 802.3, IEEE 802.3u PLC: HomePlug AV 1.1	LAN: IEEE 802.3, IEEE 802.3u PLC: HomePlug AV 1.1
Data Transfer Rate (PHY/TCP/UDP)	PHY Rate: up to 200Mbps TCP Rate: up to 90Mbps UDP Rate: up to 91Mbps	PHY Rate: up to 200Mbps TCP Rate: up to 85Mbps UDP Rate: up to 90Mbps	PHY Rate: up to 200Mbps TCP Rate: up to 91Mbps UDP Rate: up to 94Mbps	PHY Rate: up to 200Mbps TCP Rate: up to 90Mbps UDP Rate: up to 92Mbps	PHY Rate: up to 200Mbps TCP Rate: up to 90Mbps UDP Rate: up to 92Mbps
Frequency Band	2~28 MHz	2~28 MHz	2~28 MHz	2~28 MHz	2~28 MHz
Security encryption	128-bit AES w/ Key management	128-bit AES w/ Key management	128-bit AES w/ Key management	128-bit AES w/ Key management	128-bit AES w/ Key management
Ethernet Port	1 port 10/100 ethernet	1 port 10/100 ethernet	1-port 10/100 ethernet	4-port 10/100 ethernet	4-port 10/100 ethernet
Group/ Reset Button	Yes	Yes	Yes	Yes	Yes
LED	Power, Ethernet Link, and PLC Link	Power, Ethernet Link, and PLC Link	Power, Ethernet Link, and PLC Link	Power, Ethernet Link, and PLC Link	Power, HomePlug 1.0, PLC Link
AC Pass-through Built-in	N/A	N/A	Yes	N/A	N/A
Safety Shutter for Child Protection	N/A	N/A	Yes	N/A	N/A
Pass-through Current	N/A	N/A	US: 15A/ EU:16~20 A	N/A	N/A
Noise Filter	N/A	N/A	-30dB to -45dB @ 2-30 MHz	N/A	N/A
Operating Temperature	0~40 C	0~40 C	0~40 C	0~40 C	0~40 C
Operating Relative Humidity	10~85% non-condensing	10~85% non-condensing	10~85% non-condensing	10~85% non-condensing	10~85% non-condensing
Power Supply	100-240 VAC, 50/60Hz	100-240 VAC, 50/60Hz	100-240 VAC, 50/60Hz	100-240 VAC, 50/60Hz	100-240 VAC, 50/60Hz
Power Consumption	Full Load < 2.5W Standby Mode < 0.5W	Full Load < 2.5W Standby Mode < 0.5W	Full Load < 5.0W Standby Mode < 0.5~0.7W	Full Load < 5.0W Standby Mode < 1.8W	Full Load < 5.0W Standby Mode < 1.8W
Electrical Plug Type	Custom	Custom	Available for Type E, F, and US/JP	Custom	Custom
Dimension (L x W x H)	67.5x 56x 31 mm	67.5x 56x 31 mm	93x 56x 40 mm	106x 75x 28.5 mm	106x 75x 28.5 mm
PLC Modulation	OFDM (QAM 8/16/64/256/1024, QPSK, BPSK, ROBO)	OFDM (QAM 8/16/64/256/1024, QPSK, BPSK, ROBO)	OFDM (QAM 8/16/64/256/1024, QPSK, BPSK, ROBO)	OFDM (QAM 8/16/64/256/1024, QPSK, BPSK, ROBO)	OFDM (QAM 8/16/64/256/1024, QPSK, BPSK, ROBO)
QoS (Quality of Service)	Yes	Yes	Yes	Yes	Yes
Max IGMP based IP TV streams	10	4	up to 32	2	up to 32
Transmission Distance	AC wiring: up to 300 meters	AC wiring: up to 300 meters	AC wiring: up to 300 meters	AC wiring: up to 300 meters	AC wiring: up to 300 meters
Maximum Supported Devices in a network group (Active/Total)	8/8	4/8	64/64	6/6	64/64
Regulation	FCC, CE, CE-LVD, RoHS, Erp/Eup	FCC, CE, CE-LVD, RoHS, Erp/Eup	FCC, CE, CE-LVD, RoHS, Erp/Eup	FCC, CE, CE-LVD, RoHS	FCC, CE, CE-LVD, RoHS

* Specs subject to change without notice

