

Ultra High-Speed Network Runs Inside Your Home's Powerline

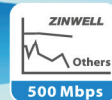
Powerline 500Mbps Ethernet Adapters

500 Mbps Series



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.



500 Mbps Ultra High-speed Network

Provide PLC 500 Mbps and Gigabit Ethernet*, making your network more reliable and up to 3 times faster than fast Ethernet.

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 3-port Ethernet Adapter

Serves as a Switch replacement for connecting up to 3 Ethernet devices.

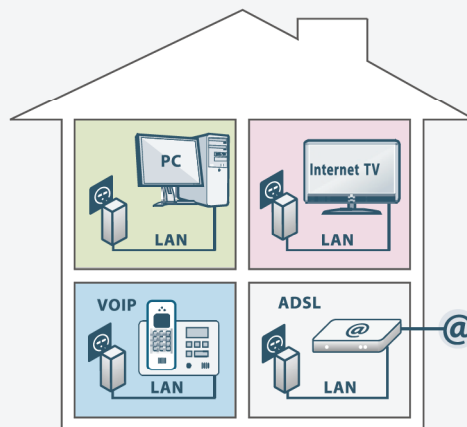


* The PLQ-5100 / 5131 support 500 Mbps with 10/100 Ethernet port.



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	PLQ-5100	ZPL-500	ZPL-530	PLQ-5131	ZPL-513
Chipset	AR7420	AR7400	AR7400	AR7420	AR7400
Supported Protocols	LAN: 10/100 Base-TX PLC: HomePlug AV 1.1, IEEE 1901	LAN: 10/100/1000 Base-T, IEEE 802.3az PLC: HomePlug AV 1.1, IEEE 1901	LAN: 10/100/1000 Base-T, IEEE 802.3az PLC: HomePlug AV 1.1, IEEE 1901	LAN: 10/100 Base-TX PLC: HomePlug AV 1.1, IEEE 1901	LAN: 10/100/1000 Base-T, IEEE 802.3az, PLC: HomePlug AV 1.1, IEEE 1901
Data Transfer Rate (PHY/TCP/UDP)	PHY Rate: up to 500Mbps TCP Rate: up to 95Mbps UDP Rate: up to 95Mbps	PHY Rate: up to 500Mbps TCP Rate: up to 240Mbps UDP Rate: up to 250Mbps	PHY Rate: up to 500Mbps TCP Rate: up to 240Mbps UDP Rate: up to 250Mbps	PHY Rate: up to 500Mbps TCP Rate: up to 95Mbps UDP Rate: up to 95Mbps	PHY Rate: up to 500Mbps TCP Rate: up to 240Mbps UDP Rate: up to 250Mbps
Frequency Band	2~28 MHz, 30~68MHz	2~28 MHz, 30~68MHz	2~28 MHz, 30~68MHz		2~28 MHz, 30~68MHz
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
Ethernet Port	1-port 10/100 Ethernet	1-port Gigabit Ethernet	1-port Gigabit Ethernet	1-port 10/100 Ethernet	3-port Gigabit Ethernet
Group/ Reset Button	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
AC Pass-through Built-in	N/A	N/A	Yes		N/A
Safety Shutter for Child Protection	N/A	N/A	Yes		N/A
Pass-through Current	N/A	N/A	16~20 A		N/A
Noise Filter	N/A	N/A	-30dB to -45dB @ 2-68 MHz		N/A
Operating Temperature	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
Power Supply	100 - 240 VAC, 50/60Hz	100 - 240 VAC, 50/60Hz	100 - 240 VAC, 50/60Hz		100 - 240 VAC, 50/60Hz
Power Consumption	Full Load < 2.4W Standby Mode < 0.5W	Full Load < 5.0W Standby Mode < 1.0W	Standby Mode < 1.0W	Standby Mode < 0.5W	N/A
Electrical Plug Type	Custom	Custom	Available for Type E, F, and US/JP		Custom
Dimension (L x W x H)	67.5x 56x 31 mm	94x 60x 28.5 mm	93x 56x 42.8 mm	93x 56x 40 mm	110x 66x 28.5 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)	OFDM (QAM 8/16/64/256/1024, 4096 QPSK, BPSK, ROBO)		OFDM (QAM 8/16/64/256/1024, 4096 QPSK, BPSK, ROBO)
QoS (Quality of Service)	Yes	Yes	Yes		Yes
Max IGMP based IPTV streams	up to 16	up to 32	up to 32	up to 16	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
Maximum Supported Devices in a network group (Active/Total)	8/16	64/64	64/64	8/16	64/64
Regulation	FCC, CE, CE-LVD, RoHS, Erp/Eup	FCC, CE, CE-LVD, RoHS, Erp/Eup	FCC, CE, CE-LVD, RoHS, Erp/Eup	DIN, CB, NF C, RoHS, Erp/Eup	FCC, CE, CE-LVD, RoHS

* Specs subject to change without notice