

Powerline 500M Pass-through Ethernet Bridge



PLB500P/N

- ❖ Best for High Definition(HD) and Standard Definition (SD) video distribution at home and no new wire only over the existing household power supply
 - ❖ Provide one power socket for electrical appliance
 - ❖ Built-in filter can filter out the noise from other electrical appliance
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Features

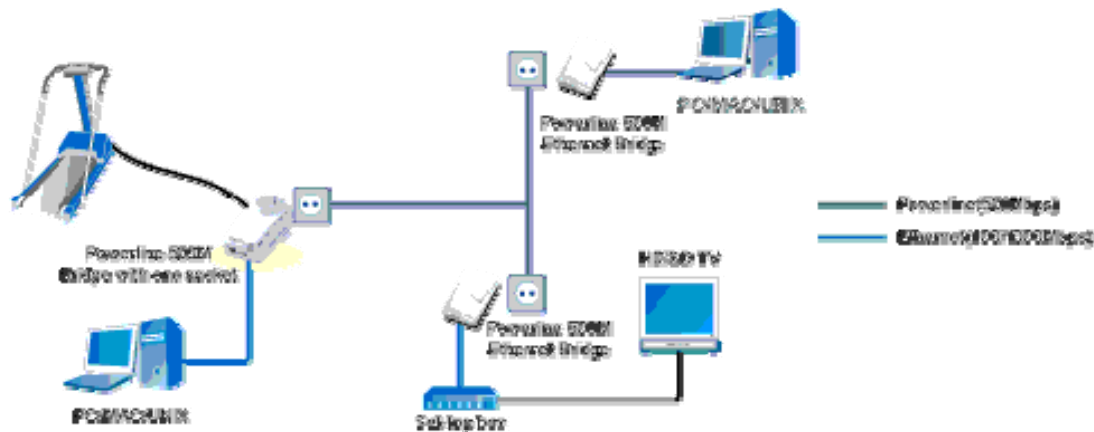
- High-Speed Powerline adapter with Ethernet interface for fast data transfer over the existing household power supply
- The smart mesh repeater technology for enhanced network coverage and performance
- The high-speed transfer rates of 500Mbps even make it possible to transmit video in DVD quality
- No need new wires and use at any power socket with up to ranges of 200 meters
- Integrated Enhanced Quality of Service(QoS) features: eight levels of prioritized random access, contention free access, and segment bursting
- Support IGMP managed multicast IP transmission
- Fully compliant with IEEE 802.3u/ 802.3ab Ethernet standards and HomePlug AV standards
- Provide 128-bit AES Link Encryption with key management for secure Powerline communications
- Up to 200Mbps data rate on powerline networking
- Allow user to connect PCs and other devices conveniently via any power outlet at home
- Provide one Power socket for additional electrical appliance
- Built-in Filter to avoid the noise from electrical appliance (2 – 30 Mhz)

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Specifications

Standard <ul style="list-style-type: none"> • IEEE 802.3u / 802.3ab, HomePlug AV 	Damping filter <ul style="list-style-type: none"> • 2 – 30Mhz
Port <ul style="list-style-type: none"> • 1 x 100/1000Mbps Ethernet, RJ45 • 1 x Secure Button • 1 x Reset button • 1 x EU power socket 	Security <ul style="list-style-type: none"> • 128 bits AES Link encryption
Powerline Modulation <ul style="list-style-type: none"> • OFDM (Orthogonal Frequency Division Multiplexing) • Supports 4096/1024/256/64/16/8 QAM, QPSK, BPSK, and ROBO modulation schemes 	Operating Range <ul style="list-style-type: none"> • Ranges of 200 meters
Frequency Band <ul style="list-style-type: none"> • 2MHz – 70MHz 	Data Rate <ul style="list-style-type: none"> • Up to 500Mbps high speeds for powerline network
QoS <ul style="list-style-type: none"> • Prioritized random access, contention-free access and segment bursting • CSMA/CA with prioritization and ARQ for reliable delivery of Ethernet packets via Packet Encapsulation • Integrated Enhanced Quality of Service (QoS) features: eight levels of prioritized random access, contention-free access, and segment bursting 	Led indicator <ul style="list-style-type: none"> • 3 LEDs for powerline, networking status & power Ethernet activity
	Temperature <ul style="list-style-type: none"> • Storage Temperature: -20°C~70°C • Operating Temperature: 0° C ~40° C
	Humidity <ul style="list-style-type: none"> • Storage Humidity: 5%~95% R/H (max). • Operating Humidity: 10%~90% R/H (max)
	Regulatory Approvals <ul style="list-style-type: none"> • FCC, CE, LVD

Application:



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