

# Powerline 85M Ethernet Switch



PLS

- ❖ High-Speed Powerline adapter with 4 ports 10/100M Switch for fast data transfer over the existing household power supply
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## **Features**

- High-Speed Powerline adapter with 4-port Ethernet interface for fast data transfer over the existing household power supply
- Integrated with 4 ports 10/100M switch for more convenient to connect multiple network devices
- Extends Internet coverage to the whole house, including areas where a wireless network could not reach
- The high-speed transfer rates of 85Mbps 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
- Simple plug and easy to install
- Fully compliant with IEEE 802.3 / 802.3u
- Privacy through DES encryption
- Up to 85Mbps data rate on Powerline networking
- Allow user to connect PCs and other devices conveniently via any power outlet at home

# Powerline 85M Ethernet Switch

## Specifications

<b>Standard</b> <ul style="list-style-type: none"><li>• IEEE 802.3 / 802.3u Ethernet Standards</li><li>• HomePlug 1.0 / Turbo Standard</li></ul>
<b>Frequency Band</b> <ul style="list-style-type: none"><li>• 4.3Mhz – 20.9Mhz</li></ul>
<b>QoS</b> <ul style="list-style-type: none"><li>• Prioritized random access, contention-free access and segment bursting</li><li>• CSMA/CA with prioritization and ARQ for reliable delivery of Ethernet packets via Packet Encapsulation</li></ul>
<b>Port</b> <ul style="list-style-type: none"><li>• One 10/100Mbps Auto Cross-over Ethernet, RJ45</li></ul>
<b>Powerline Modulation</b> <ul style="list-style-type: none"><li>• OFDM (Orthogonal Frequency Division Multiplexing) with patented signal processing techniques for high data reliability in noisy media conditions</li><li>• Supports QAM 256/64/16, DQPSK, DBPSK and ROBO modulation schemes</li></ul>
<b>Security</b> <ul style="list-style-type: none"><li>• 56 bits DES link encryption</li></ul>
<b>Operating Range</b> <ul style="list-style-type: none"><li>• Ranges of 200 meters</li></ul>
<b>Data Rate</b> <ul style="list-style-type: none"><li>• Up to Turbo 85Mbps high speeds!</li></ul>
<b>Led indicator</b> <ul style="list-style-type: none"><li>• 4 LEDs for Ethernet LAN status,</li><li>• Powerline and power activity</li></ul>
<b>Temperature</b> <ul style="list-style-type: none"><li>• Storage Temperature: -20°C~70°C</li><li>• Operating Temperature: 0° C ~40° C</li></ul>
<b>Humidity</b> <ul style="list-style-type: none"><li>• Storage Humidity: 5%~95% R/H (max).</li><li>• Operating Humidity: 10%~90% R/H (max)</li></ul>
<b>Regulatory Approvals</b> <ul style="list-style-type: none"><li>• FCC, CE, LVD</li></ul>

## Application:

