

PowerGridDH-10P

Powerline Ethernet Adapter



Description

The PowerGridDH-10P, Powerline Ethernet adapter, provides a high quality of throughput. It allows users to access the network with existing power lines without the need for extra wires. To connect the device in the home with encryption capability, users just easily do the plug and play.

Comtrend's PowerGridDH-10P can achieve line rates of up to 200 Mbps. With the high transmission rate, it can support on-line video, on-line gaming, music downloading, picture and file sharing. Furthermore, peripheral sharing such as DVs, printers, scanners and digital cameras is also supported.

Features

- **High speed data transmission**

Supports speeds of up to 200Mbps. This can easily satisfy applications such as video, gaming, digital music, file sharing, and Internet browsing in the home.

- **No Extra Wires Needed**

Every home has its own power line network. Users don't have to use extra cable for network connection in their home.

- **Plug & Play**

To make a network connection in the home, users just plug the adapters into the outlets without configuring any settings.

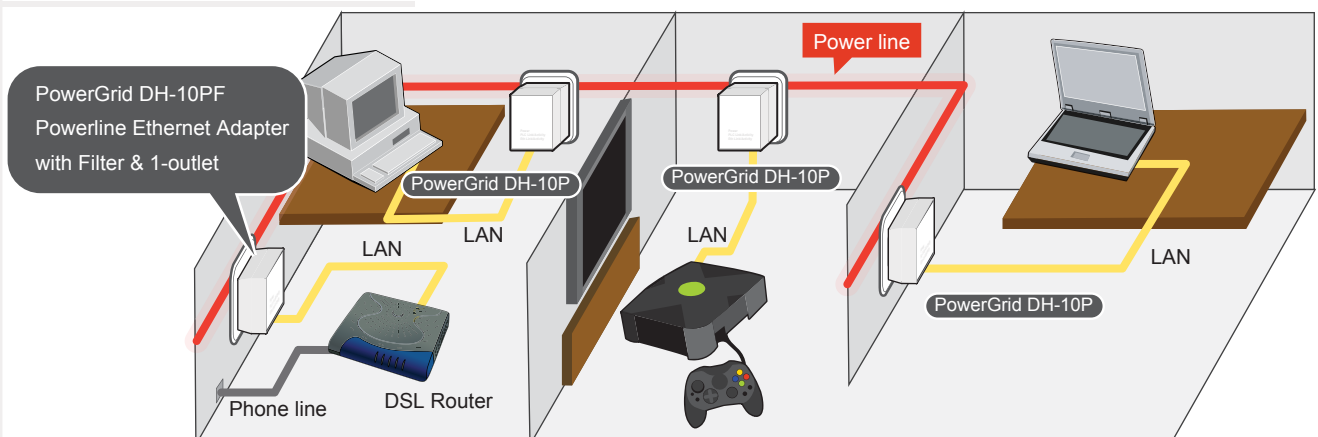
- **Extends connecting range and eliminates dead spots**

Unlike wireless technology, the Powerline technology can cover in excess of 99% of the home.

- **More outlets than other wired solutions**

It's more convenient to make the connection in the home. On average, there are 45 outlets in a home, while; MoCA (over coaxial) and HPNA (over phone line) only have around 3-5 outlets.

Applications Diagram



PowerGridDH-10P

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Specifications

Interface

RJ-45 X 1 for Ethernet connection

Ethernet

Standard	IEEE 802.3, IEEE 802.3u
10/100 BaseT	Auto-sense
MDI/MDX support	Yes

Modulation

OFDM, 1536 Carriers
Flexible frequency configuration

Data Rate

Up to 200Mbps

Management

HTTP Web-based management; Firmware upgrade via TFTP

Security

Mixed DES/3DES encryption guarantees total data security

Network Protocols

802.1D Ethernet Bridge	Yes
802.1Q VLAN	Yes
Quality of Service (QoS)	Yes

Power Requirement

110-240 VAC; 0.1A

Environment Conditions

Operating temperature	0 ~ 40 degrees Celsius
Relative humidity	10 ~ 90% (non-condensing)

Dimensions

64.8 mm (W) x 35.3 mm (H) x 95.7 mm (D)

Certifications

FCC, CE, UL

Note: Specifications are subject to change without notice.

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