

HD3000

G.hn (MIMO) Powerline Adapter



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HD3000 powerline adapter, ITU-T G.hn networking standard compliant Ethernet adapter, provides the best quality data transmission for the truly high-speed up to 1Gbps PHY rates. It supports MIMO operation with an AC filter female power socket. HD3000 is ideal for high-bandwidth, low-latency applications such as HDTV, high-definition video streaming and online gaming.

HD3000 allows users to extend a local area network via existing power lines, eliminating the need for extra wiring. It provides simple, high-speed, in-home networking via powerline communications. Installation at home (or in a small office) is quick and easy as HD3000 comes with plug-and-play technology.

Features

- AC pass-through
- Multiple In / Multiple Out (MIMO) RF technology
- High Speed Data Transmission (up to 1Gbps PHY rates)
- Eliminates need for additional wiring
- Coexistence with the installed UPA technology networks
- Supports “triple play” applications (IPTV, VoIP and high-speed Internet access)
- Power Saving technology for improved power efficiency

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Specifications

Standards

- ITU-T Standards-based (G.9960/1/2/3/4)
- G.hn PHY (G.9960)
- G.hn DLL (G.9961)
- G.cx (G.9972) coexistence with IEEE 1901

Interface

- RJ-45 x 1 for Ethernet connection
- AC power plug X 1
- AC power socket X 1
- Plug Type EU/UK/US

Button

- LINK, RESET

LED Indicator

- Ethernet, Link, Power

Ethernet

- Standard IEEE 802.3
- 10/100/1000 Mbps BaseT auto-sense
- Auto rate and duplex negotiation
- MDI/MDX support

Modulations

- OFDM, FEC, Flexible frequency configuration

Data Rate

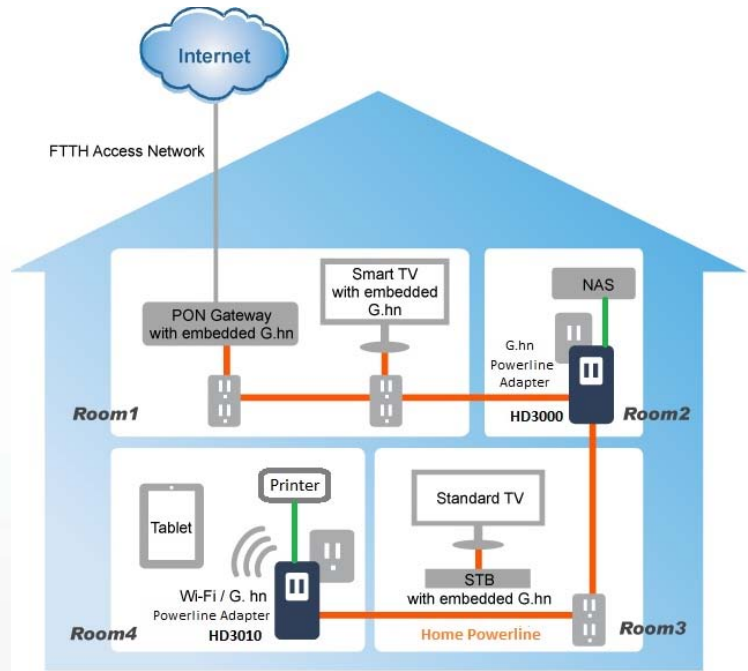
- Up to 1 Gbps (PHY rate)

Management

- HTTP Web-based; Firmware upgrade via TFTP TR-069 Supported

Security

- AES 128 bits encryption ensures total data security



Networking Protocols

- 802.1D Ethernet Bridge
- 802.1Q VLAN
- Quality of Service (QoS)
- IGMP(IPv4) Snooping & MLD(IPv6) Snooping
- Built-in dual TCP/IP stack (IPv4/IPv6)

Power

- 90-240 VAC 50Hz/60Hz
- Support low power mode EuP Directive (Auto standby mode)

Environment Condition

- Operating temperature: 0 ~ 40 degrees Celsius
- Relative humidity: 10 ~ 95% (non-condensing)

Dimensions

- 119 x 71 x 47 mm (without plug)