



AGhn-250

A G.hn Powerline modem with G.hn MIMO.

Powerline Ethernet Adapter

The Defidev **AGhn-250** is a powerline Ethernet adapter compliant with the ITU-T G.hn networking standard. It provides the best quality data transmission for the truly high-speed 'connected home' experience. It allows users to extend a local area network via existing power lines, eliminating the need for extra wiring. Installation at home (or in a small office) is quick and easy as the **AGhn-250** comes with plug-and-play technology.

The **AGhn-250** supports MIMO operation and can be used with two fully programmable reception and transmission paths to attain up to 1Gbps PHY throughputs. The **AGhn-250** comes pre-configured allowing easy installation / configuration and it features secure end-to-end encryption algorithms for safeguarding the network integrity.

It also supports advanced energy-saving features based on Ethernet link activity, with automatic standby mode.

Key Features

- MIMO Performance
- Easy to install, Plug & Play
- Physical data rates up to 1 Gbps
- Advanced data encryption
- Supports 802.1q VLAN

Technical Specifications

Dimensions (mm)	88 mm x58 x38 mm (57 mm with plug)
Input voltage	110Vac-240Vac
Input frequency	60Hz – 50Hz
Power Consumption	Auto power saving mode max 0.5W (in standby mode)
Modulation	OFDM, FEC, Flexible frequency configuration
Data Rate	Up to 1 Gbps on PLC physical layer
Security	AES 128 bits encryption ensures total data security
Available configuration	HE/CPE
Protocol supported	802.1d Ethernet Bridge, 802.1q VLAN, QoS, IGMP Snooping (IPv4) & MLD (IPv6) Snooping
Environment Condition	Operating temperature: 0~40°C, relative humidity:8~95% (non-condensing)
Interface	1x AC Power plug- 1xRJ-45
Ethernet	Standard IEEE 802.3 – 10/100/1000 Mbps BaseT auto-sense – Auto rate and duplex negotiation, MDI/MDX support
Certifications	FCC, CE class B, WEEE, RoHS, ITU-T G.hn Standard



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