



Amh-251D

Standalone PLC Modem

A 4 DIN units modem to have a PLC connection in the electrical cabinet.

The **Amh-251D** Powerline Modem in DIN Module allows users to create a local area network, without the need for new cabling. The **Amh-251D** DIN Module is installed in home or office's electrical panel to create a link to the powerline network. The network can be connected to an internet gateway, such as an ADSL or cable modem, providing a convenient **extension of the internet** using powerline or to any other IP devices to have provide network thanks to powerline for any kind of IP applications..

Any Ethernet-enabled device, such as a desktop computer, network printer, laptop computer, IP camera, could be **connected** to the **Amh-251D**.

Based on Marvell technology, whose DéfiDev is licensee, the **Amh-251D** is fully **remotely manageable** and supports Alma Pro and Alma AMI firmware.

With its fast physical layer transfer rates up to 200 Mbps, the **Amh-251D** can participate in a huge number of **multimedia applications**. The advanced Class of Service (CoS) and priority management ensure that applications with real-time requirements, such as VoIP, streaming video are good-working even if other users in the network are downloading large files.

The **Amh-251D** is remotely manageable. It receives encrypted commands from its Head-End (AheS-264) and upload to it all useful information that can than allow the QTNMS (DefiDev Management Software) to display accurate reports on its connection

Overview

- Easy Set-up & Installation
- AES Encryption ensures a Secure Wireless Network
- Bridge Forwarding Table for 16 MAC Addresses
- 10/100BaseT Fast Ethernet interface
- Remote configuration
- 802.1Q VLAN & Optimized VLANs
- Integrated 802.1D Ethernet Bridge with optimized Spanning Tree Protocol
- Priority classification according to 802.1P tags
- Programmable priority-classification engine (8-level priority queues)

Technical Specifications

Dimensions (mm)	86 x 69,8 x 59,4 mm
Input voltage	100Vac-240Vac
Input frequency	60Hz – 50Hz
Power Consumption	3 W
Modulation	OFDM
Number of carrier	1536
Frequency range	2MHz – 34MHz
Backbone Speed	Up to 200 Mbps on PLC physical layer, 100Mbps on Ethernet
Chipset DS2	DSS9501
Available configuration	CPE
Protocol supported	TCP/IP-DHCP-TFTP-SNMP
Standards Compliance	IEEE 802.3u, 802.1P, 802.1Q
Interface	1x AC Powerline- 1x10/100Mbps Ethernet Port
Number of supported MAC address	16
Number of supported PLC nodes	15



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