AheS-203
MV/LV Repeater

A low cost solution to repeat data flow over medium and low voltage powerline.

TRADEMARK: DEFIDEV - Model N°: AheS-203, TDR, Uhe-203

The Defidev MV/LV repeater can be easily integrated into any existing MV/LV network infrastructure to create a communication backbone for internet access, access control and automation applications. It act as a Repeater Modem.
End users or installers can connect their IP devices such as PC, Media Centers, Controllers… using Defidev powerline products (Amh-250W, Asb-250, Ast-250 …)

The AheS-203 acts as a repeater for the flow of data (customer and management). The AheS-203 can also receive changing operational settings send by the QTNMS via the Head-End (AheS-264, Uhe-264).

The AheS-203 with its integrated three-phase coupler allows easy installation within a network. Working as a repeater it extends an internet connection or network access without the need for installing new wiring. The AheS-203 offers one RJ45 ports. Thanks to its integrated coupler, there is no need for additional accessories.

The AheS-203 is a convenient way to create a simple outdoor network through the existing electrical wiring thanks to its IP66 casing.

With its fast physical layer transfer rates up to 200 Mbps, the AheS-203 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.

Key Features

- Integrated Three-phase coupler
- Easy to install
- Physical data rates up to 200 Mbps
- Full SNMP Management
- IP66 housing
- Supports 802.1q VLAN

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Overview

- Easy Set-up & Installation
- AES Encryption ensures a Secure Wireless Network
- Bridge Forwarding Table for 1024 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)	230x180x60,5 mm
Weight	2 kg
Input voltage	100Vac-240Vac
Input frequency	60Hz – 50Hz
Power Consumption	5 W
Modulation	OFDM
Number of carrier	1536
Frequency range	2MHz – 34MHz
Backbone Speed	Up to 200 Mbps on PLC physical layer, 100Mbps on Ethernet
PLC Chipset	DSS9503
Available configuration	HE/REP/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	1024
Number of supported PLC nodes	15

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