

Corinex AV256 CableLAN Adapter



Introduction

The New Corinex AV256 CableLAN Adapter, based on the HomePNA 3.1 Network Standard, enables you to set up your private home network using your existing Coax cabling. No additional network wiring is required.

Simply connect your internet source to the AV256 CableLAN Adapter and then connect the AV256 CableLAN Adapter to a cable TV wall socket and you have broadband internet running through your home. Choose the location where you need your internet signal and connect the second AV256 CableLAN Adapter and you have internet at your desired location.

Using the RJ-45 Ethernet ports on the back of the Corinex AV256 CableLAN Adapter, you can connect to any Ethernet-enabled interface such as Set-Top-Boxes, IP cameras, switches or gaming consoles. The high speed of 256Mbps will allow you to enjoy your Video on Demand services and Multimedia services with quality and speed better than ever. With the Corinex AV256 CableLAN Adapter, LAN environments can quickly be extended or changed to fit your networking needs without rewiring.

Key Features

- AV256 CableLAN port as Home Network Backbone by using existing Coaxial cables
- Two 10/100Mbps Fast Ethernet ports for ADSL/Cable Modem and Ethernet terminal (PC, Set-top-box, gaming console).
- Distance up to 1800m on AV256 CableLAN interface
- Up to 10 clients per frequency band
- 802.1p priority queue and Mapping Support
- Full Plug and Play functionality
- Implemented Power Saving Mode with lower power consumption (max 4.5 W)

Specifications

Number of Ports:

- HomePNA Coax: F-Type Female coaxial connector
- TV Coax: F-Type Female coax connector
- LAN: RJ-45 x 2 Fast Ethernet ports

Power Adapter:

- Input linear 100-120VAC or 200-240VAC
- Output 7.5V/1A

Dimensions:

- 118.47mm(W) x 82.13mm(D) x 30mm(H)

Point to Multipoint:

- In AV256 CableLAN environment: 10 clients per band
- In mixed environment (with AV128): 8 clients per band

LED:

- Power: on – Green;
off – power off
- HomePNA link/Act: on (Green) – Link
Flashing – Tx/Rx data
Off – No Link
- Ethernet link/Act: on (Green) – link
Flashing – Tx/Rx data
Off – No Link

Network Standards

- ITU-T G.9954
- HomePNA 3.1 over Coaxial Cable
- IEEE 802.3
- IEEE 802.3u

Distance

- Max. up to 1800 meter (-155dB/Hz Noise Floor)

Frequency Band

- 12-44MHz

PHY Rate

- Up to 256Mbps over coax

Throughput

- Up to 193Mbps over coax

Max Attenuation (@64Mbps)

- 60dB

Quality of Service (QoS)

- 802.1p priority queue
- Tag VLAN pass Through
- ToS
- Guaranteed QoS based on
- HomePNA 3.1 parameterized QoS

Temperature

- Operation: 0 ~ +40 °C
- Storage: -10 ~ +65 °C

Humidity

- Operation: 10% ~ 90% RH, no condensation

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