

Corinex

AV200 CableLAN Adapter




200Mbps
over existing coaxial wires!

Introduction

The Corinex AV200 CableLAN Adapter is the world's first product that supports the distribution of video, voice, and broadband internet access over your existing coaxial cables, with transfer rates of up to 200 Mbps. The Corinex AV200 CableLAN Adapter provides sufficient bandwidth to stream several high quality video signals, such as HDTV, while simultaneously delivering high speed internet access throughout an entire home or small office! Together with the Corinex AV200 Powerline Ethernet Adapter, AV128 Phoneline Ethernet Bridge, AV128 CableLAN and Corinex AV128 Combo Adapter, the Corinex AV200 CableLAN Adapter rounds out the industry's broadest set of home and office solutions for the triple play of video, data, and voice over electrical wires, coaxial cables, and phone lines.

Corinex's AV200 CableLAN technology provides numerous networking possibilities with amazingly fast physical layer transfer rates up to 200 Mbps. Finally, real world multimedia network applications can be brought to life without adding any new wiring - simply plug a Corinex AV200 CableLAN Adapter into a coaxial cable socket, and any computing device in the entire building is instantly ready to receive high-bandwidth multimedia signals.

The bandwidth provided by the Corinex AV200 CableLAN technology allows for flawless multiplayer gaming, high-quality video and audio streaming, and high-speed file transfer, all at the same time. Application priority levels are retained, ensuring that applications with real-time requirements, such as VoIP, streaming video and multiplayer games do not experience glitches, frame loss, or delays, even if other users in the network are downloading large files, websurfing, or downloading and listening to MP3s.

The Corinex AV200 CableLAN Adapter allows users to create a high-speed local area network, without the need for new cabling – utilizing existing coaxial cables.

The network can be connected to an internet gateway, such as an ADSL or cable modem, providing a convenient extension of the internet to the AV200 CableLAN network within any home or small office. Any ethernet-enabled device, such as a desktop computer, network printer, laptop computer, or a security camera can be connected to the AV CableLAN network.

The Corinex AV200 CableLAN Adapter is system-independent, meaning it can be used with the Microsoft Windows, Linux or MAC OS operating system. The only requirement is a properly installed and working ethernet network interface on your computer. The configuration of the Corinex AV200 CableLAN Adapter is web-based, so any javascript-enabled web browser can be used.

Features

- 10/100BaseT Fast Ethernet interface
- Physical data rate in the coaxial network up to 200 Mbps with distances up to 1200 m.
- Built-in repeating capabilities for increased coverage
- CSMA/CARP (Carrier Sense Multiple Access with Collision Avoidance and Resolution using Priorities) protocol
- Bridge Forwarding Table for 64 MAC Addresses
- 802.1Q VLAN & Optimized VLANs
- Powerful DES/3DES encryption
- OFDM technology and powerful error correction system allow robust performance under harsh conditions in the coaxial network
- Integrated 802.1D Ethernet Bridge With Optimized Spanning Tree Protocol
- 8-level priority queues, with programmable priority-classification engine
- Priority classification according to 802.1P tags, IP coding (IPv4 or Ipv6) or TCP source/destination ports
- Optimized support for broadcast and multicast traffic
- MAC filtering - can discard Ethernet frames if they come from a source MAC address which is not present in a list of allowed MAC addresses
- Configuration using an embedded web interface

Commercial Edition:

- Console Interface
- Dynamic IP Address with auto-config
- Manual MASTER / SLAVE configuration
- VLAN and OVLAN Support
- RADIUS server authentication support
- Programmable bandwidth allocation
- Master Node HE or Repeater
- Slave CPE Node
- Can be used for MV/LV BPL networks

Home User Edition:

- Web interface
- Fixed IP or DHCP
- Default IP 10.10.1.69
- The MASTER and SLAVE can be set manually or automatically
- VLAN tagging without filtering

Technical Specifications

Standards Compliance	IEEE 802.3u
Speed	Up to 200 Mbps on physical layer
AC Plug Type	US, EU, UK and AUS
LED Status Lights	Power on, Coaxial Cable Link/Activity Ethernet link
Interface	10/100BaseT Fast Ethernet, One F-Type Connector
Frequency Range used	2 – 34 MHz
Power Input	85 to 265 V AC, 50/60 Hz
Dimensions	148 mm L x 106 mm W x 47 mm H
Transmitted Power spectral density	-56 dBm/Hz
Power Consumption	10 W
Safety & EMI	FCC Part 15, CB/CE and/or international standards approved
Operating Temperature	0° to 50°C (32°F to 122°F)
Operating Humidity	10% to 80% non-condensing



Product features and design may vary by version and region.



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Standards

- 802.3u
- 802.1P
- 802.1Q
- Compliant with FCC Part 15, EN 55022 EMC limits

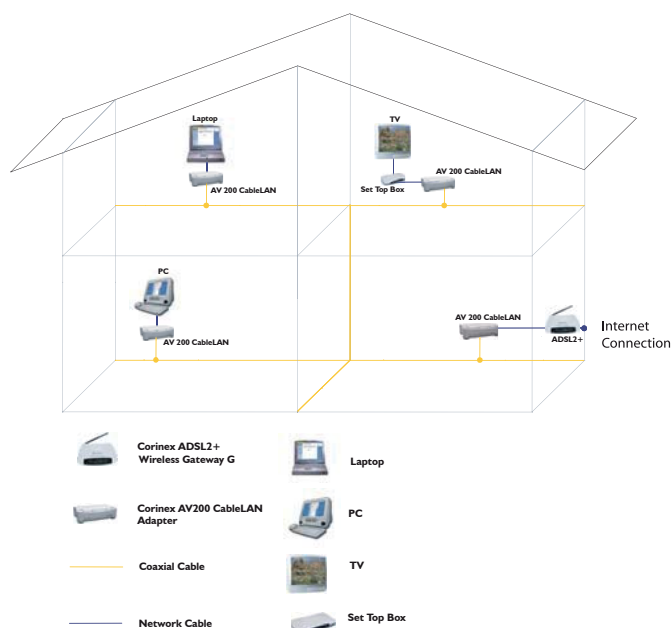
Package Content

- Corinex AV200 CableLAN Adapter
- One standard CAT5 ethernet cable
- One AC power cable
- One coaxial cable
- One coaxial splitter
- CD with documentation
- Quick Start Guide

Product Specification

Product code: CXC-AV200-ETH

Please refer to the Price List for the exact product code specification.



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