

Corinex



AV200 Powerline Ethernet Adapter



**200Mbps
over existing electrical wires!**

Introduction

The Corinex AV200 Powerline Ethernet Adapter is the world's first product that supports the distribution of video, voice, and broadband internet access over a premises existing electrical wires. With transfer rates of up to 200 Mbps, the Corinex AV200 Powerline Ethernet Adapter has ample bandwidth to stream several high quality video signals, such as HDTV, while simultaneously delivering high speed internet access throughout an entire premise! Together with the AV200 CableLAN Adapter, AV128 Phonline Ethernet Bridge, AV128 CableLAN Adapter and AV128 Combo Adapter the Corinex AV200 Powerline Ethernet adapter rounds out the industries broadest customer premise solution set for the triple play of video, data, and voice over electrical wires, coaxial cables, and phonline.

The AV200 Powerline technology by Corinex provides numerous networking possibilities with amazingly fast physical layer transfer rates up to 200 Mbps. Finally, real world multimedia network applications can be created without adding any new wiring, simply plug in a Corinex AV200 Powerline Ethernet Adapter and any computing device in the entire premise is ready to receive high bandwidth multimedia signals.

The bandwidth provided by the Corinex AV200 Powerline technology allows for flawless multiplayer gaming, high quality video and audio streaming, and high-speed file transfer at the same time. Application priority levels are retained, ensuring that applications with real-time requirements, such as VoIP, streaming video and multiplayer head-to-head games do not experience glitches, frame loss, or delays, even if other users in the network are downloading large files, websurfing or downloading or listening to MP3 songs.

The Corinex AV200 Powerline Ethernet Adapter allows users to create a high-speed local area network, without the need for new cabling. Users can connect the AV Powerline Ethernet Adapter to virtually any electrical socket in their home or office 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 to the powerline within a premise. Any ethernet-enabled device, such as a desktop computer, network printer, laptop computer, or a security camera connect to the AV powerline network.

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

Features

- 10/100BaseT Fast Ethernet interface
- Physical data rate in the powerline up to 200 Mbps with distances up to 300 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 electrical 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

Technical Specifications

Standards Compliance	IEEE 802.3u
Speed	Up to 200Mbps on physical layer
AC Plug Type	US, EU, UK and AUS
LED Status Lights	Power on, PLC Link/Activity Ethernet link
Interface	10/100BaseT Fast Ethernet, Powerline
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, EN 55022 EMC limits
Operating Temperature	0° to 50°C (32°F to 122°F)
Operating Humidity	10% to 80% non-condensing

Standards

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

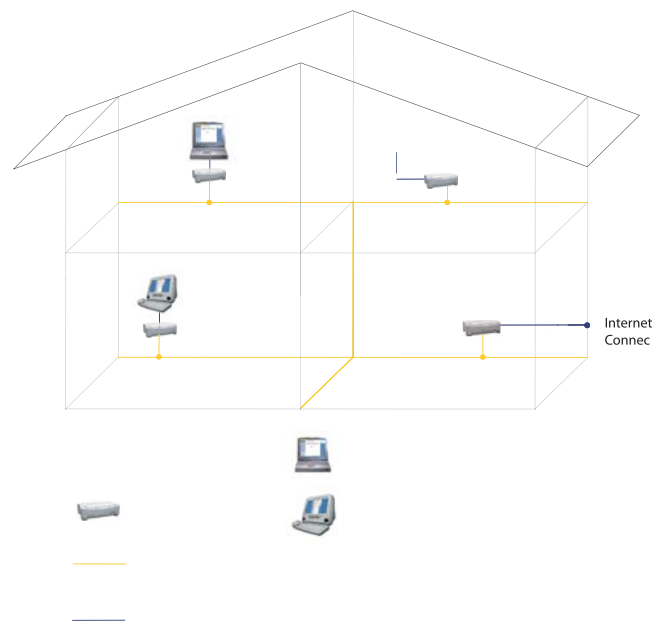
Package Content

- Corinex AV200 Powerline Ethernet Adapter
- One straight-forward CAT 5 ethernet cable
- One AC power cable
- CD with documentation
- Printed Quick Start Guide

Product Specification

Product code: CXP-AV-ETH

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



Product features and design may vary by version and region.



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