

Corinex CableLAN Adapter



Corinex CableLAN Adapter developed by Corinex represents a new and innovative solution for data communications over cable TV networks, without interfering with your TV watching habits or quality. Corinex CableLAN technology offers a wide range of networking options by using existing coaxial cables for communication at 14 Mbps data rates, whether people are watching TV or not.



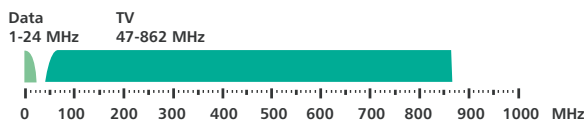
Front side



Back side

CableLAN Technology

Corinex CableLAN Adapter is designed to use existing coaxial TV wiring within the building as a networking physical medium. Robust performance in the noisy channel is enabled by the use of the Orthogonal Frequency Division Multiplexing (OFDM) technology. Corinex CableLAN technology allows users to leverage existing coaxial cables for digital communication, while the original function of distributing TV signals remains intact. The CableLAN adapters use a different frequency band than is in use by cable TV signals. This simple fact allows the CableLAN adapters users to benefit from simultaneous cable TV and CableLAN communication over the same physical media. CableLAN technology is using the HomePlug chipset and is manageable through the Corinex Open Powerline Management.



What Can a Corinex CableLAN Adapter Provide?

After an easy installation, the indoor CableLAN network behaves like a traditional LAN for computers. The product keeps network maintenance economical and eliminates usage barriers while there is no need for additional wiring to:

- network all Ethernet enabled devices using cable TV infrastructure within a building
- share broadband Internet access from every cable TV socket
- share computer files and applications
- offer bandwidth for multimedia payloads including voice, data, audio and video
- play network games.

The CableLAN adapters allow you to create a real LAN environment by using existing TV cables within buildings. Every TV socket in your home or office could be a network connection. By using a Corinex CableLAN Adapter in combination with a powerline adapter, the network can be extended to the electrical wires. This makes every electrical outlet an additional network access point. The Corinex CableLAN technology can be used to connect remote computer networks (users) over coaxial cables for the distances of up to 700 meters.

When deployed in more complex or remote networks, Corinex Open Powerline Management offers intelligent tools for easy network setup, connection quality measurement and secured communication connections. Corinex's HomePlug certified networking technology supports up to 14 Mbps data rates. Corinex CableLAN and Powerline products are compliant with the HomePlug Powerline Alliance Industry Specification 1.0.1. This ensures interoperability with other HomePlug devices.

The Corinex CableLAN Adapter is compatible with the entirely new designed and enhanced Corinex Powerline and CableLAN products family, consisting of:

- Corinex Powerline Ethernet Adapter
- Corinex Powerline USB Adapter
- Corinex Powerline Ethernet Wall Mount
- Corinex Powerline Router
- Corinex Wireless to Powerline Access Point
- Corinex Diagnostics Kit
- Corinex Open Powerline Management

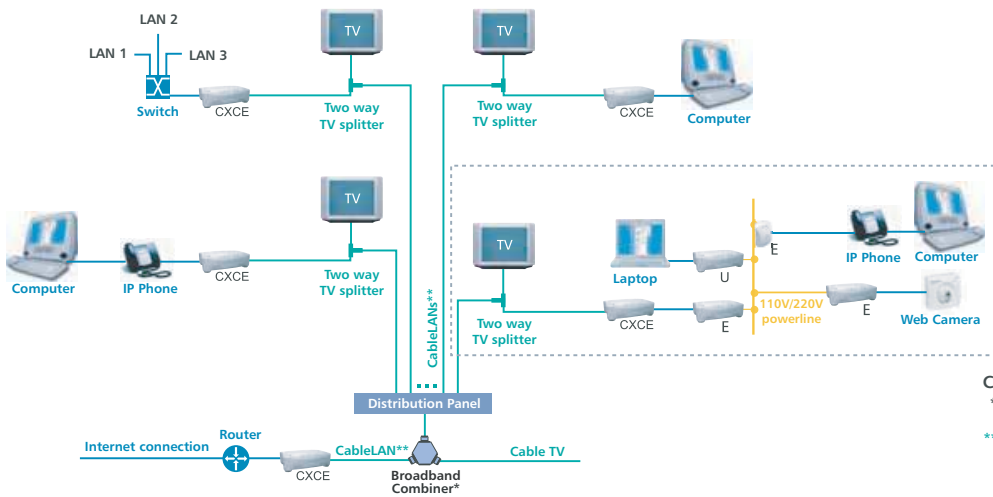
Product Features

- Easy SOHO and Enterprise Use

A digital CableLAN data communication accessible via CableLAN socket can be further distributed over existing electrical wirings. In such application Corinex CableLAN is connected via Ethernet port to the Corinex Powerline Ethernet Adapter. Any of Corinex powerline devices depending on networking requirements are used to provide Internet and network access through every power outlet in the apartment home or office. All networks can be managed by the Corinex Open Powerline Management software.

- Sophisticated MSO Use

Multi service operators can deliver Internet and IP telephony services to their subscribers connected to CableLAN networks. It is so easy for a subscriber to access cable TV and the Internet, data or applications.



Corinex CableLAN Adapters used in a cable TV network
 * The Cable TV input signal does not use 1-24 MHz band, which is in use by Corinex CableLAN Adapters for simultaneous digital data communication
 ** Corinex CableLAN technology can serve up to 15 adapters connected over the same physical media (coax cable)

- Physical layer data rate of up to 14 Mbps over the TV coaxial cable with distances of up to 700m, Multiprotocol communication (TCP/IP, NetBEUI, IPX/SPX)
- 56 Bit DES link encryption with key management for secured communication
- Orthogonal Frequency Division Multiplexing (OFDM) with sophisticated signal processing techniques for high data reliability in noisy media conditions
- Intelligent channel adaptation maximizes throughput under harsh channel conditions
- Integrated Quality of Service (QoS) features such as four-level prioritized random access, contention-free access, and segment bursting
- Implements a scheme with prioritization and repeat request for reliable delivery of Ethernet packets via packet encapsulation
- Bandwidth for multimedia payloads including video, voice, data and networked gaming
- Easy to use and install, if you do not want to change the security settings, no drivers are required
- Provides a secure and inexpensive broadband access to the Internet
- Can be managed by Corinex Open Powerline Management software
- FCC and CE certified

Product Specifications

Product Code: CXC-ETH
 Please refer to the Price List for the exact product code specification for your region.

Product Content

- Device
- AC cord, Ethernet cable, Coax jumper cable, T-Splitter

- Installation CD with Setup Tool for most of operating systems (Win9x/NT/2000/XP, Linux, Mac OS X)
- Printed Manual

Technical Specifications

Standards Compliance	HomePlug v 1.0.1 compatible
	Windows 95/98/Me/2000/XP, Linux or Mac OS X compatible for the Setup Tool
	IEEE 802.3
Speed	14 Mbps (CableLAN), 10 Mbps (Ethernet)
Cabling type	AC cable, Ethernet, Coax jumper cable
LED Status Lights:	Link and Activity on CableLAN, Link / Activity on Ethernet
Unit Dimensions	148 mm L x 106 mm W x 47 mm H
Weight	0.313 kg
Interface	RJ 45, F-type CableLAN Connector
Impedance	at Cable connector port 75Ω
Frequency Used	4-21 MHz
Medium Access	Half duplex, collision based
Power Emitted	average 67 dBμV - into CableLAN
Maximal Attenuation	40 dB
Power Input	110/120 or 220/240 V AC
Power Consumption	3 W
Safety & EMI	UL/FCC part 15 / CB/CE and/ or international standards approved
Operating Temperature	0° to 55°C (32°F to 131°F)
Operating Humidity	10% to 85% non-condensing



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 HomePlug® is a registered trademark of HomePlug® Powerline Alliance.

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