



Corinex Intelligent PowerNet

Ethernet, USB, PCI

solution for:

- industrial network
- small office and home office
- historical buildings
- inexpensive internet connections

Corinex Intelligent PowerNet
14 Mbps power line PC network

The Corinex Intelligent PowerNet developed by Corinex Global Corporation represents a new and innovative solution for data communications. This unique technology offers users a wide range of networking options by using digital power line technology enabling 14 Mbps data rates.

A full range of convenient network devices that allows users to create a real LAN environment using the very power lines that power their computers as the physical connection. Every power outlet in your home or office could be a network connection by using an Corinex Intelligent PowerNet adapter. 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.



Ethernet Adapter

What Can Corinex Intelligent PowerNet Provide?

- Enables users to connect individual PC's into a local area network through a 110V / 220V electric power line
- PC file and application sharing
- Shared broadband Internet access
- Bandwidth for multimedia payloads including voice, data, audio, and video
- Networked gaming

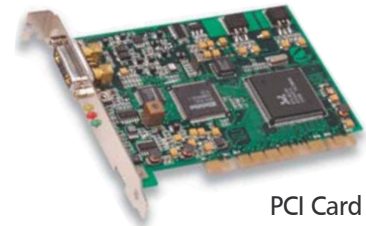


USB Adapter

Corinex Intelligent PowerNet Features

Quality of Service

Built-in Quality of Service (QoS) features provide the necessary bandwidth for multimedia applications. A prioritized random access method exists with strict adherence to priority. Segment bursting on the power line minimizes the demands on the receiver resources and maximizes the throughput of the network while still providing excellent latency response and jitter performance. Contention-free access capability extends this concept of segment bursting to allow the transmission of multiple frames over the power line without relinquishing the control of the medium. Utilizing contention-free access, a single station may act as a controller for the entire network.



PCI Card

Complete home privacy

What's your privacy worth? If you use a connection that's "always-on", like ISDN or a cable modem, your privacy is at risk. With an Internet sharing and firewall software you can completely protect your network against outsiders. Corinex Intelligent PowerNet uses 56-bit DES Link Encryption with key management for secured power line communications applications.

No more lines!

Why have more than one computer if only one person can use the Internet? Internet sharing program lets you use the Internet whenever you want to.

Connection anywhere

How many power outlets do you have in your home or office? Chances are you'll put your computer next to one. It's the natural choice for home networking - you can now install a network anywhere you have power. Connect your PC to the nearest electrical outlet and utilize the benefits of instant networking.



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Corinex Intelligent PowerNet Components

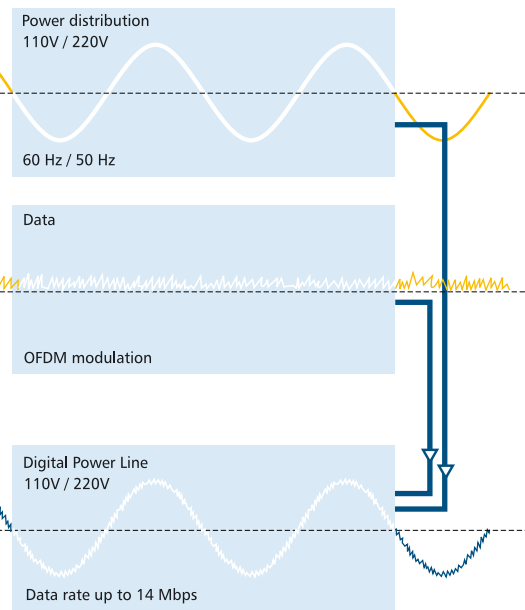
- Corinex Intelligent PowerNet USB adapter, Ethernet adapter or PCI card for PCs
- Power line coupler with extension cable
- Corinex Intelligent PowerNet Administrator software supplied on Installation CD-ROM
- User Guide

Features & Benefits

- Multiprotocol communication (TCP/IP, NetBEUI, IPX/SPX)
- High level of networking security
- Easy to use and install
- Provides a secure and inexpensive broadband access to the Internet
- All Corinex Intelligent PowerNets can be managed by Corinex Open Powerline Management software and also by Corinex Wireless - Powerline Management software
- Driver available for Windows 98SE/NT/2000/XP and Linux
- FCC and CE certified

Technical Features

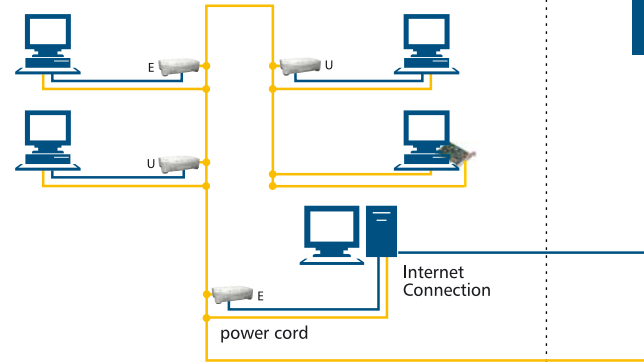
- Physical layer data rate of up to 14 Mbps over the power line
- Orthogonal Frequency Division Multiplexing (OFDM) with sophisticated signal processing techniques for high data reliability in noisy media conditions
- Intelligent channel adaptation maximizes throughput under harsh channel conditions
- 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
- Based on HomePlug 1.0.1 compliant chip
- Physical connection to power line medium through a power line coupler (US, UK and Euro plug)



Where Can Corinex Intelligent PowerNet Be Used?

Corinex Intelligent PowerNet network as alternative LAN

- Every electrical outlet in your home or office could be a network by using an Corinex Intelligent PowerNet adapter. It is the easiest way to network your home and office
- Eliminates the requirement for special data cable wiring
- Cost-effective and reliable solution for data, audio, voice or video communications



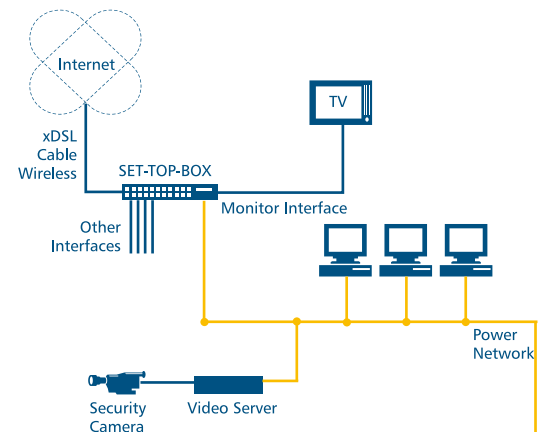
- E Corinex Intelligent PowerNet Ethernet Adapter
- U Corinex Intelligent PowerNet USB with SNMP PowerNet Agent
- Corinex Intelligent PowerNet PCI with SNMP PowerNet Agent

Corinex Intelligent PowerNet as an interface to a high speed connection by using:

- A Set-Top-Box is an intelligent device enabling a TV set to become a user interface to multimedia applications
- An A / DSL modem. This can be combined with an Ethernet or USB adapter and connect all electrical wires and outlets to the incoming and outgoing signals
- A cable modem. This can be used in the same fashion

These options provide endless possibilities everywhere in the home or small office environment to:

- watch TV, video, in bed from your notebook,
- download pay TV video,
- read e-mails, browse the Internet, write documents, listen to music



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