

Corinex



Wireless to Powerline Router G

The Corinex Wireless to Powerline Router G provides a convenient and secure way of distributing broadband Internet access without the need for new wires. It connects computers and equipment by utilizing existing electrical wiring and wireless media. Multiple users can share one broadband connection for high speed applications such as shared Internet access, file and printer sharing, on-line games, streaming audio and video, security systems and more. The Corinex Wireless to Powerline Router G with its built-in firewall and enhanced security features is easily installed and configured from any JavaScript enabled web browser.

Build Your Own Broadband Network

The Corinex Wireless to Powerline Router G enables shared Internet access by assigning local IP addresses to devices connected on the LAN side and translating these local addresses to external IP addresses on the Internet service provider's side. This process is called Network Address Translation (NAT). The Router also has a built-in firewall, which controls the access from the Internet to the LAN and thereby protects your equipment from intrusion and malicious programs from the Internet.

The Corinex Wireless to Powerline Router G is a cornerstone product for building secure Local Area Networks distributing broadband Internet signals to wherever needed. It supports different types of connectivity, which allow you to select the best or most convenient access method in any situation. The Corinex Wireless to Powerline Router G has four interface types:

- WAN (Ethernet), for connection to your broadband Internet service provider;
- LAN (Ethernet), for connection to stationary equipment in your local network using standard network cables;
- Powerline (HomePlug 1.0), for connection to stationary equipment in your local network using existing electrical wiring;
- WLAN 802.11g, for connection of wireless devices in your local network.

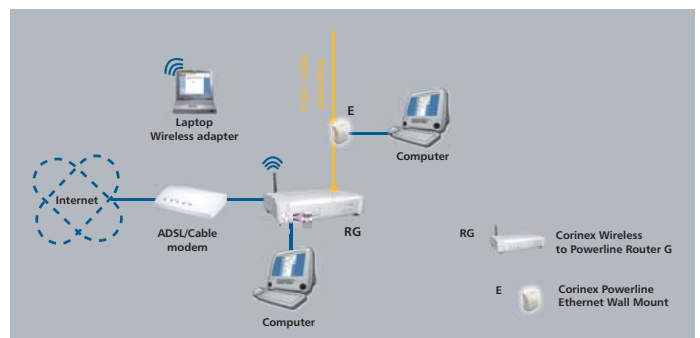
In the small example network depicted below, the Corinex Wireless to Powerline Router G is connected to a broadband Internet modem, a stationary computer over Ethernet, a desktop computer over Powerline using a Corinex Powerline Ethernet Wall Mount, and a laptop with wireless capability. The network can easily be expanded when needed. More computers or equipment can be connected to the network, either using Ethernet, Powerline or Wireless medium.

Powerline Technology

Corinex Powerline products use existing AC electrical wiring as a physical medium for broadband networking based on the HomePlug 1.0 standard. Robust performance is ensured by the multi-carrier modulation (Orthogonal Frequency Division



Multiplexing, OFDM) technology, which allows the data signals to "surf" on the electrical wires, instantly shifting between carriers as noise and attenuation conditions change. The HomePlug 1.0 standard supports data rates up to 14 Mbps.



Wireless LAN

The Corinex Wireless to Powerline Router G allows devices with wireless capability to connect to the LAN as any wired device. The Corinex Wireless to Powerline Router G uses the Wireless LAN standard IEEE 802.11g (up to 54 Mbps throughput), which is backwards compatible with IEEE 802.11b (up to 11 Mbps), for wireless communication. The Corinex Wireless to Powerline Router G supports security features preventing unauthorized access and eavesdropping on the Wireless LAN interface.

Product Package Content

- Corinex Wireless to Powerline Router G
- Installation CD with Corinex Setup Tool (for Windows, Linux, Mac OS X) and detailed User Guide
- AC power cord, 2 Ethernet cables
- 1 antenna
- Printed Quick Start Guide

Technical Specifications

Hardware

Standard compliance	Homeplug 1.0 IEEE 802.3, IEEE 802.3u IEEE 802.11b/g FCC and UL (US), CE (Europe)
Data rate	Wireless (802.11g): up to 54 Mbps (6, 9, 12, 18, 24, 36, 48, 54Mbps); with auto fallback at 802.11b data rate at 1, 2, 5.5, and 11Mbps) Powerline: up to 14 Mbps Ethernet: 10/100 Mbps
Cabling Type	2 Standard RJ-45 cables for WAN, LAN; AC power cord
LED Status Lights	POWER Link/Activity on WAN Link/Activity on LAN1-4 Activity and Collision on Powerline
Unit Dimensions	218 mm L x 168 mm W x 53.5 mm H
Interfaces	LAN: 4 x 10/100 Mbps Ethernet Port (RJ-45) WAN: 1 x 10/100 Mbps Ethernet Port (RJ-45) AC power connector for both Powerline networking and power supply WLAN: 802.11b/g antenna connector
Memory	SDRAM: 16MB SDRAM (4MB x 32 Bits) FLASH: 2MB NOR-Flash (16Bits)
Electrical Parameters	Input Voltage: AC 100V~240V Line Frequency: 60/50Hz (USA/Europe)
Wireless Parameters	Peak Gain of the Antenna 802.11g: 2.4 GHz => 2dBi Transmitted Power 802.11g: Typ. 14dBm @ Normal Temp Range Receive Sensitivity 802.11g: 11Mbps @ -80 dBm 54Mbps @ -66 dBm Typical
Environmental Parameters	Operating Temperature: 0°C to 40°C (32°F to 104°F) Operating Humidity 10% to 85% Non-Condensing Storage Temp: -20°C to 70°C (-4°F to 158°F) Storage Humidity 5% to 90% Non-Condensing

Software

Protocol Support	NAT ARP HTTP TCP/IP ICMP PPPoE (PAP / CHAP) PPTP (Microsoft PPTP Client) Static Routing Protocol RIPv1 / RIPv2 Wireless Distribution System (WDS) Broadcom AfterBurner (125Mbps High Speed Mode) VPN tunnel passing support (PPTP, L2TP, IPsec)
Supported OS (Setup Tool)	Windows 98, ME, 2000, XP Linux Mac OS X
Powerline network	14 Mbps 56 bits DES Key Wired 802.1x (EAP-MD5)
Wireless LAN (802.11g)	SSID, Full Channels Support 64/128 bits WEP on 802.11g 802.11i – WPA / AES, TKIP, PSK Wireless 802.1x WDS with WPA/PSK Broadcom AfterBurner (125Mbps High Speed Mode)
Security	Stateful Inspection (SPI) Firewall MAC & IP filtering 802.1Q Tagged VLAN QoS – 802.1P, TOS Wireless 802.1x (EAP-MD5, EAP-PEAP, EAP-LEAP, EAP-TLS, EAP-TTLS) Wired 802.1x (EAP-MD5) 802.11i – WPA / AES, TKIP, PSK 56Bit DES Key for Powerline DMZ
Management	Embedded HTTP Daemon SNMP v1/v2c Agent Embedded RADIUS Server (EAP-MD5 only) Firmware upgrade through Web browser Zebra & RIPD Terminal (CISCO-like CLI) UPNP IGD 1.0
Other Features	DHCP Server/Client Dynamic DNS client DNS Proxy Transparent HTTP Proxy NTP (Network Time Protocol) Syslog

Product Specifications

Product Code: CXP-RTG

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

Products features and design may vary by version and region.



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