

# Corinex HD Compact Gateway & Corinex LV Compact Gateway

## Introduction

Corinex HD and LV Compact Gateway are the latest development in BPL 200 Mbps technology. Offering lower power consumption and the smallest form factor available on the market. Ideal for installation in street cabinets, substations and within residential and MDU applications.

The HD/LV Compact Gateways act as a Head-End Modem, extending an existing Internet connection (Fiber, ADSL, Satellite etc) over powerline or coaxial cable infrastructure without the need for installing new wiring.

End users can connect their Ethernet devices such as PC, VOIP, Phones, Media Centers, etc. using Corinex HD200 Powerline or Coaxial Adapters.

Combined with other Corinex Access, AMI and/or in-premise products, the Corinex HD/LV Compact Gateways round out the largest 200 Mbps Powerline product portfolio in world.



## Features

Physical data rates of up to 200 Mbps over distances of 500 m (LV powerline) or 2000 m (MV powerline)\*

IP-enabled

Full SNMP management via Corinex AMI Connect System

Industrial grade IP56 outdoor housing

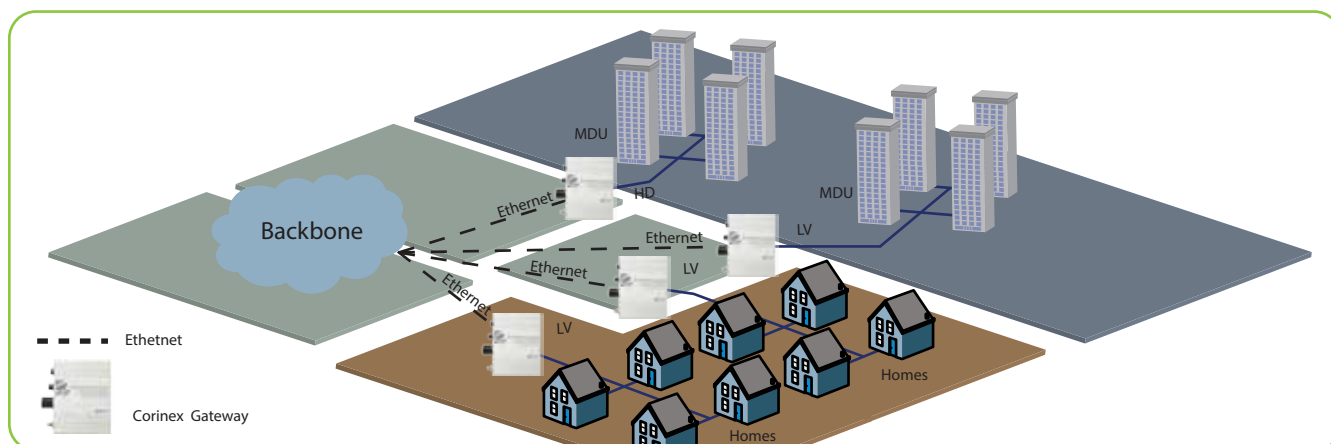
Compatible with Corinex HD200 products

Backup power available through DC outlet

10/100BaseT Fast Ethernet interface for connection to Internet Gateway

Integrated 802.1D Ethernet Bridge with Optimized Spanning Tree Protocol

OFDM technology and powerful EC for robustness



## Product Specifications

Product\Feature	MAC Addresses	Powerline Ports	Product Code
LV Compact Gateway	128	31	CXP-LVC-GWYC
HD Compact Gateway	1024	15	CXP-HDC-GWYC

### Maximum VLAN/OVLAN Tags

Model	Total VLAN + OVLAN TAGS	VLAN TAGS PER PORT	OVLAN TAGS PER PORT
CXP-LVC-GWYC	16	16	16
CXP-HDC-GWYC	16	16	16

## Features (cont'd):

802.1Q VLAN & Optimized VLANs

Powerful 3DES/AES encryption

8-level priority queues, with programmable priority-Classification Engine

Priority classification according to 802.1P tags, IP coding (IPv4) or TCP source/destination ports

Configuration/Management via Corinex PowerNet

Integrated three phase coupler with line to neutral capacitive coupling

## Technical Specifications

Standards Safety and EMI	IEEE 802.3u, 802.1P, 802.1Q, EN 50412, EN 55022, EN 55024, EN 60950
Backbone Speed	Up to 200 Mbps on (PLC) physical layer 100 Mbps on Ethernet
Three Phase Coupler to Powerline	110VAC / 220VAC / 240VAC
Interface	RJ-45 10/100BaseT Fast Ethernet RS485 Serial Port Coax Port (Female TNC port) AC Port for Power BPL DC Port for powerSupply
Frequency Range	2– 34 MHz
Power Input	85 - 265 VAC @ 50/60 Hz, 12 VDC
Weight	2 kg
Dimensions	180 x 135 x 40 mm
Transmitted Power spectral density	-50 dBm/Hz
Power Consumption	7 W
Operating Temperature	-40° to 70°C (-40°F to 158°F)
Operating Humidity	10% to 95% non-condensing



The content of this document is furnished for informational use only, it is subject to change without notice, and it does not represent a commitment on the part of Corinex Communications Corp. Corinex is a registered trademark of Corinex Communications Corp. All products or company names mentioned here in may be the trademarks of their respective owners. \*Actual product performance depends on factors and conditions such as line attenuation, operating environment, and quality of installation.

**Corinex Communications Corp.**  
1000-1090 West Pender Street  
Vancouver, BC  
Canada V6E 2N7  
Tel: 604.692.0520  
Fax: 604.694.0061  
E-mail: saleslead@corinex.com

**Corinex Communications a.s.**  
Nove Zahrady I. 13/A  
821 05 Bratislava 2  
Slovak Republic, Europe  
Tel: +421.2.59.212-000  
Fax: +421.2.59.212.222  
E-mail: saleslead@corinex.eu

**Corinex Communications Corp.**  
808A, ZhenYe Int. Business Centre  
3101-90 QianHai Road, NanShan  
District, ShenZhen, GuangDong,  
518052, China  
E-mail: saleslead@corinex.com