

Introduction

The Corinex MV Compact Gateway is 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 and substations.

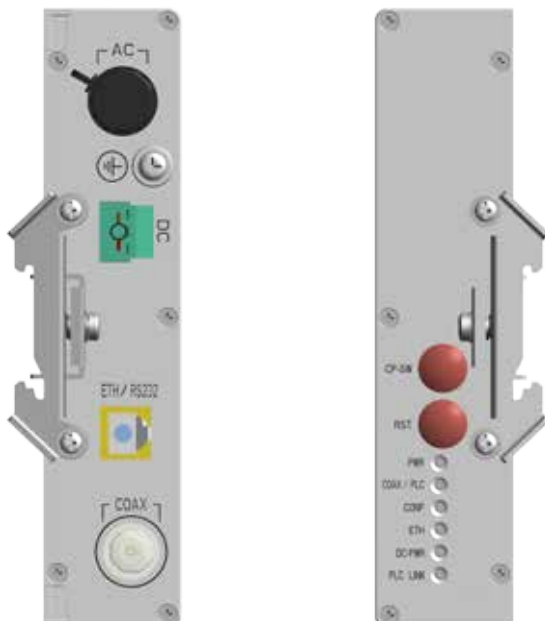
The MV Compact Gateway acts as a Head-End modem, extending existing Internet data connections (Fibre, ADSL, Satellite etc.) over powerline infrastructure without the need for installing new wiring.

Combined with other Corinex Access, AMI, and in-home products, the Corinex MV Compact Gateway rounds out the largest 200 Mbps Powerline product portfolio in the world.



Features

- Up to 200 Mbps high-capacity BPL processor
- IP-enabled
- Full SNMP configuration and management via Corinex SmartGrid Netman software
- OFDM used for robustness
- Compatible with Corinex HD200 product Line
- AC/DC power available through AC/DC outlets
- Custom FW including Mode 17 (2-7 MHz) & Mode 18 (8-18 MHz)
- Industrial-grade IP43 housing



Product Specification

	MAC Addresses	Powerline Ports	Product Code
MV Compact Gateway	1024	15	CXP-HDCV2-GWYC

Features:

- Physical data rates of up to 200 Mbps over distances of 500 m (LV powerline) or 2000 m (MV powerline)*
- 802.1Q VLAN & Optimized VLANs
- Powerful 3DES/AES encryption
- 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 TCP source/destination ports
- 10/100BaseT Fast Ethernet interface for connection to the Internet Gateway
- OFDM technology and powerful error correction system allow robust performance under harsh conditions in the electrical/cable network
- Integrated three-phase coupler with line-to-neutral capacitive coupling
- One-step install using top hat 35 × 15 DIN rail (IEC 60715)
- Optional filter/splitter with 1× TNC input, 2× BNC output

Technical Specifications

Standards Safety and EMI	IEEE 802.3u, 802.1P, 802.1Q, CE, EN 61000, EN 50412, EN 55022, EN 55024, EN 60950
Backbone Speed	Up to 200 Mbps on (PLC) physical layer, 100 Mbps on Ethernet
Mounting Options	Compatible with 35 × 15 top hat DIN rail (IEC 60715 compliant)
Interface	(Shared) RJ45 10/100BaseT Fast Ethernet Coax Port (Female TNC port) AC Port for Power BPL DC Port for Power Supply
Frequency Range	2 - 34 MHz
Power Input	24 to 48 VDC 85 to 265 VAC, 50/60 Hz
Weight	0.9072 kg
Dimensions	180 × 140 × 40 mm (main housing)
Transmitted Power spectral density	-50 dBm/Hz
Average Power Consumption	6.48 W @ 48 VDC 7.9 W @ 220 VAC
Operating Temperature	-40° C to 70° C (-40° F to 158° F)
Operating Humidity	20% to 90% non-condensing
Storage Temperature	-40° C to 85° C (-40° F to 185° F)
Storage Humidity	10% to 95% non-condensing



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