

# Corinex Low Voltage Access Gateway

The Corinex Low Voltage Access Gateway is the latest development in 200Mbps AV200 technology from Corinex. The LV Gateway allows an easy installation to neighborhoods or Multi Dwelling Units (MDUs) where the LV Gateway acts as a head-end modem, extending an internet connection (Fiber, ADSL, Satellite) either to a powerline or coaxial cable infrastructure, depending on the customers requirements.

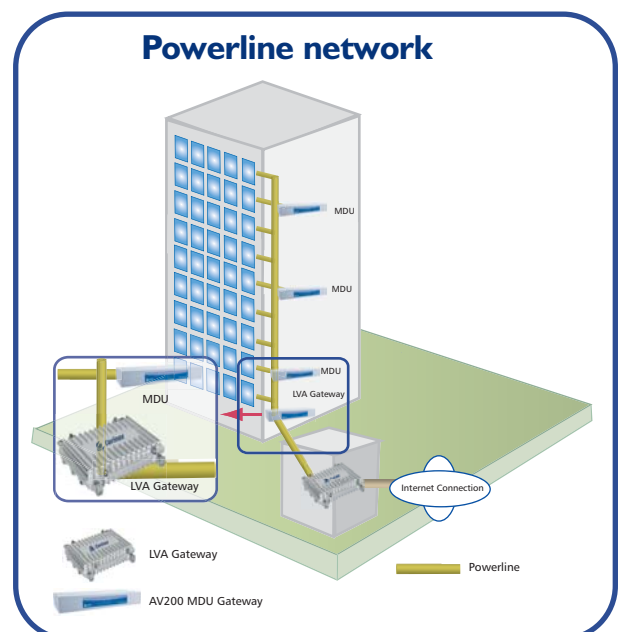
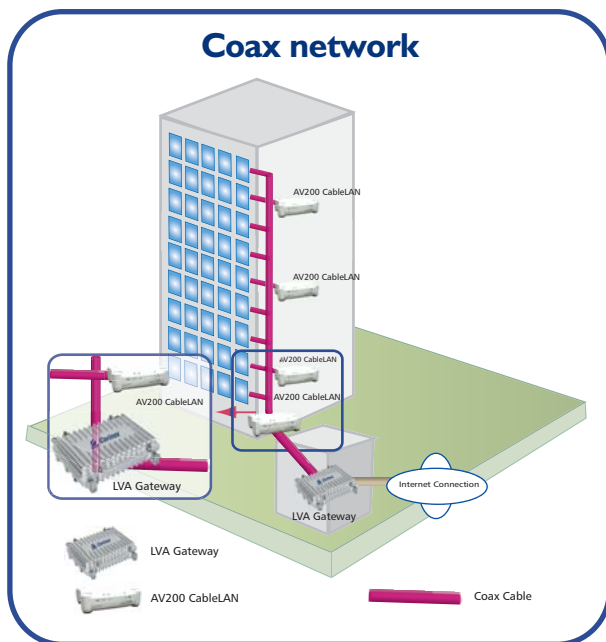
The Corinex LV Access Gateway allows users to extend an internet connection to a powerline or cable network within an MDU, without the need for installing new wiring. End users can connect their Ethernet enabled devices such as PC's, VoIP phones, Media Centers, etc., using the Corinex AV200 Powerline Ethernet Adapter, or Corinex AV200 CableLAN Adapter, to any electrical or coaxial socket in a premise to create a link to the internet.

By combining the Corinex LV Access Gateway with the Corinex MDU Gateway, MDU's can avoid the problem of excessive delays associated with traditional Time Division Repeaters being used for multiple MDU's within the same community. Corinex's powerful patent pending technology ensures that each LV Access Gateway communicates only with each head-end MDU Gateway, not with the hundreds or thousands of end users that other LV Access products must share time slots between. The net effect is a network topology that delivers maximum performance and has virtually unlimited scalability.



AV200 Powerline technology by Corinex provides numerous networking possibilities with amazingly fast physical layer transfer rates of up to 200 Mbps. OFDM technology and the powerful error correction system used in AV200 technology allow for robust performance under harsh conditions in electrical or coaxial networks. Combined with other Corinex Access and In-Premise products such as the Corinex Medium Voltage Access Gateway, Corinex AV200 Router, Corinex AV200 Powerline Ethernet Adapter, and Corinex AV200 CableLAN Adapter, the Corinex Low Voltage Access Gateway rounds out the largest 200 Mbps Powerline product portfolio in the world.

The Corinex Low Voltage Access Gateway also supports external low voltage couplers that can be used to inject an internet signal into different phases within the MDU or to couple into other voltages such as the 480v power found in many MDU's.



## Features:

- Physical data rates of up to 200 Mbps over distances of 300 meters (powerline) or 1200 meters (coax).
- Powerline and coaxial network interface ports allowing an internet connection to be extended over electrical wiring or existing cable infrastructure.
- 802.1Q VLAN & Optimized VLANs
- Powerful DES/3DES 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 Ipv6) or TCP source/destination ports
- 10/100BaseT Fast Ethernet interface for connection to the Internet Gateway
- CSMA/CARP (Carrier Sense Multiple Access with Collision Avoidance and Resolution using Priorities) protocol
- Bridge Forwarding Table for 64 MAC Addresses
- OFDM technology and powerful error correction system allow robust performance under harsh conditions in the electrical/cable network
- Optimized support for broadcast and multicast traffic
- Optional external coupling on coaxial port
- Configuration via web interface or via Corinex AV200 Network Management software

## Standards

- 802.3u
- 802.1P
- 802.1Q
- Compliant with FCC Part 15, EN 55022 EMC limits
- UPA-compliant

## Package Contents

- Corinex Low Voltage Access Gateway
- Power cable
- Coax cable
- Installation Guide and CD with documentation

## Product Specification

**Product code:** CXP-LVA-GWY

## Technical Specifications

Standards Compliance	IEEE 802.3u Pre-UPA compliant
Backbone Speed	Up to 200 Mbps on physical layer 100 Mbps on ethernet
AC Plug Type	US, EU, UK and AUS
LED Status Lights	Power, PLC Link/Act, Eth Link/Act
Interface	10/100BaseT Fast Ethernet, Powerline Port, Coaxial Port
Frequency Range	2 – 34 MHz
Power Input	85 to 265 V AC, 50/60 Hz
Weight	7 kg
Dimensions	230 x 185 x 80 mm
Transmitted Power spectral density	-50 dBm/Hz
Power Consumption	7 W
Safety & EMI	FCC Part 15, EN 55022 EMC limits
Operating Temperature	0° to 50°C (32°F to 122°F)
Operating Humidity	10% to 80% non-condensing

Product features and design may vary by version and region.



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