



API-2000-GW

Low Voltage Gateway Device

API-2000-GW is a specially designed low-cost, high performance infrastructure device for low-voltage powerline networks. With a transmission speed of up to 205 Mbps and the capability of handling up to 64 MAC addresses and 32 parallel PLC connections, the API-2000-GW can be used as an ideal low-cost repeater between the low voltage Head-End and CPE's inside customer premises.

Thanks to its dual mode functionality, API-2000-GW can also be configured as Head-End for In-Building distribution of other broadband access technologies, like xDSL, fiber and wireless. The standard 10/100 Base-TX ethernet interface guarantees a transparent and easy connection to the backbone network.

PLC Specific Features:

- Low cost Time Division repeater for low voltage PLC access networks
- Low cost Head-End for PLC In-Building distribution networks
- Support for up to 32 simultaneous PLC connections (slaves)
- Bridge table capacity of up to 64 MAC addresses
- High receiver sensitivity to ensure high distance coverage

Configuration and Network Management Features:

- HTTP based configuration and monitoring interface
- Industrialized command line console as alternate means of configuration
- Simple and easy to use system concept for VLAN and QoS services
- PLC signaling to minimize configuration parameters and enhance robustness
- SNMP agent to facilitate management of larger networks

Installation Features:

- Easy physical installation thanks to standardised housing for DIN Rails
- Small and slim design to fit in every customer specific installation environment



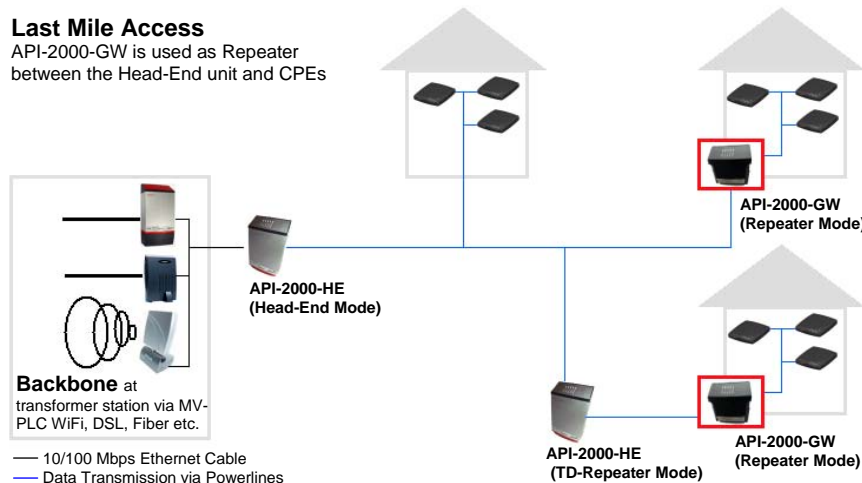


Technical Data Low Voltage Gateway Device API-2000-GW



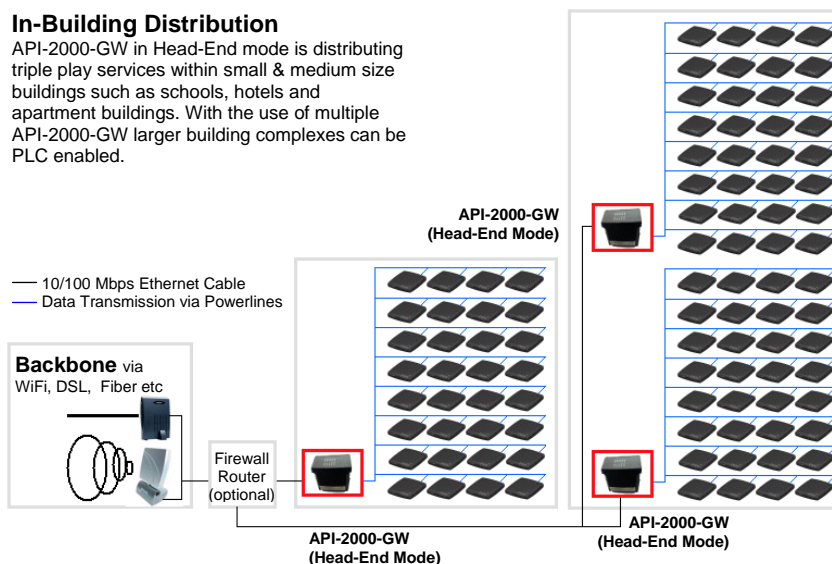
Last Mile Access

API-2000-GW is used as Repeater between the Head-End unit and CPEs



In-Building Distribution

API-2000-GW in Head-End mode is distributing triple play services within small & medium size buildings such as schools, hotels and apartment buildings. With the use of multiple API-2000-GW larger building complexes can be PLC enabled.



PLC Signalling

Frequency band 2 - 34 MHz
Modulation OFDM
Sub Carriers up to 1536
Signal bandwidth 10, 20, 30 MHz
Data rate up to 205 Mbps (PHY Layer)
Transmit Power up to -50dBm/Hz
32 Slaves / 64 MAC addresses

Physical

Dimensions (HxWxD)
165 x 150 x 86 mm
Weight 600g

Electrical

Voltage 90 - 250 VAC, 50/60 Hz
Power consumption < 15 W

Environmental

Temperature 5 - 45 °C
Humidity 0 - 95 %, non condensing
Protection class IP 20

Management/Provisioning

SNMP, HTTP based,
Console (Telnet, Serial),
Configuration file

Security

802.1Q VLAN,
Encryption (DES/3DES),
Authentication/blocking (per user)

External Interfaces

10/100 Mbps Ethernet RJ45
Service RS232 RJ45
Signal Coupling RJ45

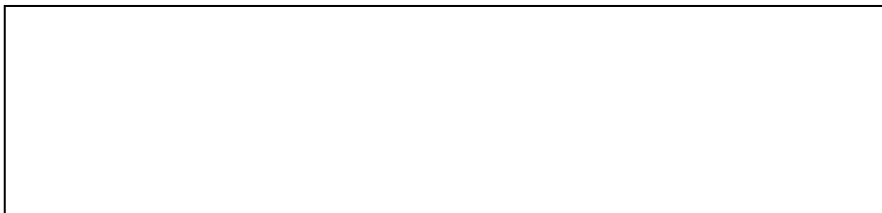
Protocols

SNMP V2, TCP/IP, DHCP, FTP, VLAN,
HTTP, STP, 802.1p QoS

Standards

EN55022 / EN55024
EN60950
IEC 60664
Installation Category 4

Your local reseller:



Contact:

CURRENT Technologies International GmbH
Gewerbepark
CH-5506 Mägenwil
phone +41 62 544 19 19
fax +41 62 544 19 09

info@currenttechnologies.ch
www.currenqroup.com