



# APA-2000-DB

## Low Voltage Data Wall-Plug Modem

APA-2000-DB is a powerline modem with a 100 Base-T Ethernet data interface. Featured with a highly integrated 205 Mbps chip set, the APA-2000-DB is an ideal device for end users to access broadband services via the powerline networks.

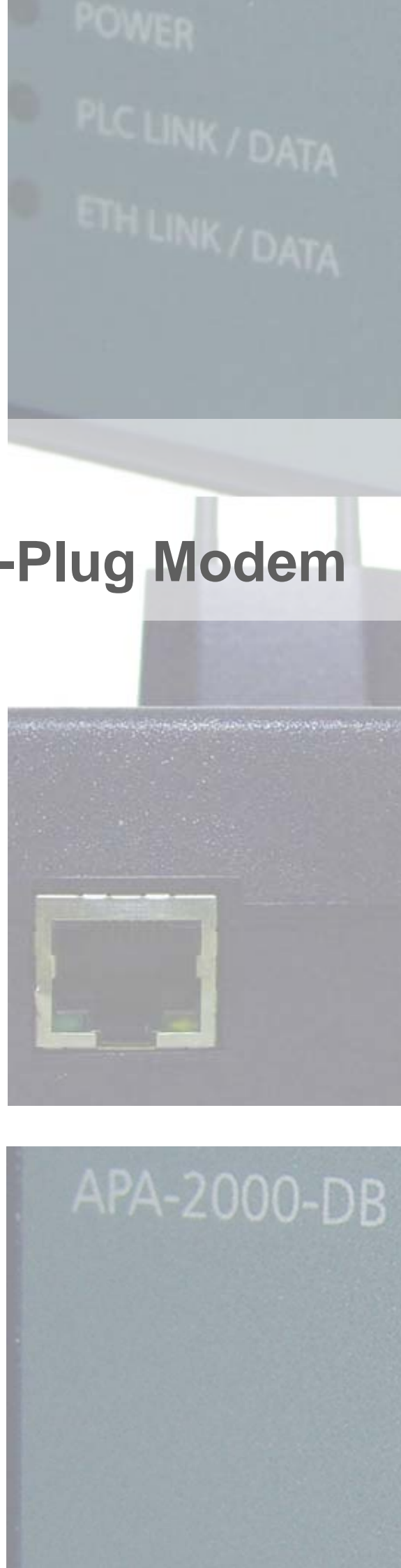
The device performs bridging (ISO-OSI Layer 2) of 'data' from/to its Ethernet interface to/from powerline network. Hence it is capable of supporting all IP-based applications. e.g. triple-play services with video, voice and internet traffic.

APA-2000-DB units, also called 'wall-plug modems' are specifically designed to be portable/movable within a household/building. The slim and handy design enables connectivity at any power socket. These devices are a well balanced trade-off between small form-factor and performance.

The wall-plug modems are suitable for use in all kinds of powerline communication networks. Whether it is an access-network with outdoor and indoor powerline, installation in MDU's (Multi-Dwelling units) where powerline augments FTTx, XDSL or other access technology, or any other ingenious network deployment (hotels, schools etc), the APA-2000-DB set of products deliver very attractive cost to performance figures.

Key features of the APA-2000-DB include:

- Easy installation (plug-and-play)
- No additional configuration to be done by end-users
- Secure data transmission (encryption, VLAN)
- Automatic provisioning support (DHCP, configuration files)
- Remote management support (SNMP)





# Technical Data Low Voltage Wall-Plug Modem APA-2000-DB



## PLC Signaling

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 -58dBm/Hz

## Physical

Dimensions (HxWxD) 37x65x96mm  
 Weight 200g

## Electrical

Voltage 100 – 240 VAC, 50/60 Hz  
 Power consumption < 8 W

## Environmental

Temperature 5 - 40 °C  
 Humidity 0 - 95 %, non condensing  
 Protection class IP 20

## Management/Provisioning

SNMP, Web based, Console (Telnet),  
 Automatic provisioning

## Security

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

## External Interfaces

Ethernet 10/100 Mbps RJ45

## Protocols

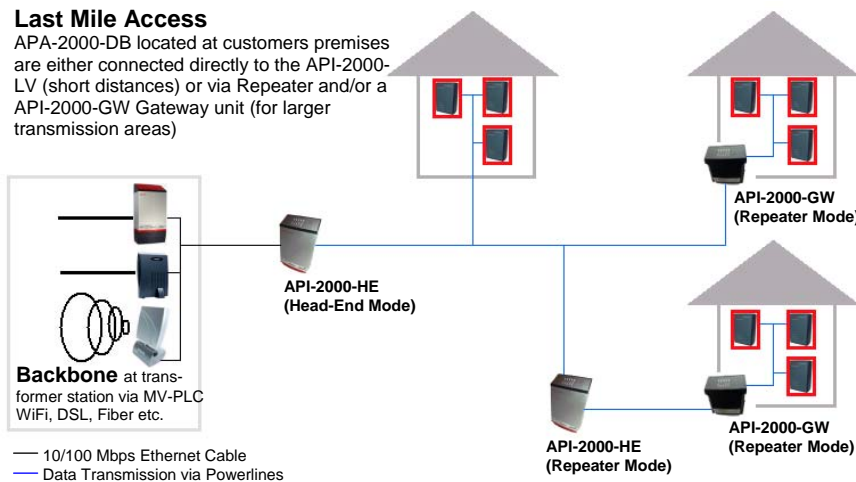
SNMP V2, TCP/IP, DHCP, FTP, VLAN,  
 HTTP, STP, 802.1p QoS

## Standards

EN55022 / EN55024  
 EN60950

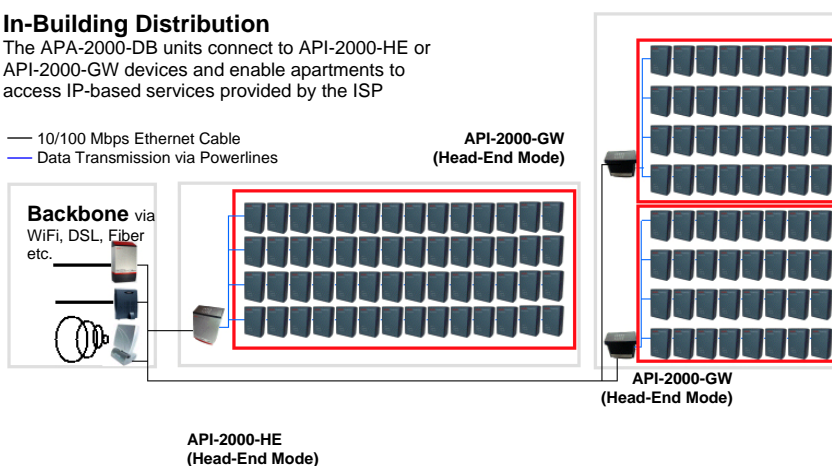
## Last Mile Access

APA-2000-DB located at customers premises are either connected directly to the API-2000-LV (short distances) or via Repeater and/or a API-2000-GW Gateway unit (for larger transmission areas)



## In-Building Distribution

The APA-2000-DB units connect to API-2000-HE or API-2000-GW devices and enable apartments to access IP-based services provided by the ISP



Your local reseller:



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