

PLC HOMEPLUG AV 200MBPS ETHERNET BRIDGE GGM CPL200KIT



BUNDLE : 2 ITEMS IN THE SAME BOX

The **GGM CPL200KIT** HomePlug AV Ethernet Bridge supports the high quality, home entertainment multimedia content streaming over existing AC Powerline at home. It enables service providers & consumers to distribute not only broadband data networking, but also includes the audio/ video home entertainment streaming and triple-play applications.

With the new HomePlug AV Ethernet Bridge, it can offer higher security protection based on 128-bit AES for data encryption. It also supports the QoS (Quality of Service) to manage the high definition video distribution, audio package streaming, voice over IP, and broadband data networking.

It provides the best digital home and networking solutions for the SOHO office and Home applications. And make it easy for new innovative applications, voice, video, and data to add advanced Powerline capabilities, which enables all devices with a power plug to connect together. Just Plug and Play to power on your digital life.

Up to 200 Mbps

Up to 200 m

MAIN FEATURES

- HomePlug AV compliant
- Co-existence with HomePlug 1.0
- Up to 200 Mbps PHY rate
- Intelligent dynamic channel adaptation and channel estimation maximizes throughput in harsh channel
- Priority-based CSMA/CA channel access schemes maximize efficiency and throughput
- 128-bit AES Link Encryption with key management for secure Powerline communications
- Integrated Quality of Service (QoS), four-level priority based contention access, and multi segment bursting
- Supports IGMP managed multicast IP transmission
- Support IPTV service connection
- Multimedia streaming through AC Powerline
- Support throughput LED indicator
- Support low power "Standby" mode

PRODUCT SPECIFICATION

PLC SIGNAL

Frequency band 2 – 28 MHz (With Mask)
Modulation OFDM (QAM 8/16/64/256/1024, DBPSK, DQPSK, ROBO)
FEC (Forward Error Correction) Coding
Frequency Notching support
PHY Rate: 200Mbps

ACCESS METHODS

CSMA/CA channel-access schemes
Auto-MDI/MDI-X negotiation and sensing for 10/100 Ethernet

QOS

4 Levels priority based contention access and multi segment bursting
8 Levels VLAN priority field

NODES

Up to 63 slaves with 1 master, 64 total devices
4 overlapping networks for neighbor networks with CCo failover
Up to 4 masters with up to 252 slaves, 256 total devices in 4 AVLNs
Up to 4096 addressable devices including bridged devices

IGMP

Support for IPv4/IGMPv1,v2,v3 snooping
Support for IPv6 and MLDv1,v2 snooping
Max 16 source addresses and Group Members

SECURITY ENCRYPTION

128 bit AES Encryption with key management

DISTANCE

AC Wire; 200 meter

STANDARDS

IEEE 802.3, IEEE 802.3U, HomePlug AV 1.1, IEEE 802.1p

PORT

One 10/100 Ethernet RJ45 port

ELECTRICAL

Power Supply 100-240 VAC 50/60Hz
Power Consumption: 4W MAX (Standby Mode: 1.8 W at 230 VAC, 1.2 W at 120 VAC)

OPERATING SYSTEM

Window 98 SE, Me, NT, 2000,XP, MAC, Linux, Vista

ENVIRONMENTAL

Temperature Operating: 0-45°C
Preserve: 0-70°C
Humidity Operating: 10-90% non-Condensing
Preserve: 10-95% non-Condensing

PHYSICAL

Dimensions 95x75x50mm (L x W x H) (With Plug)
Weight 160 g (Wall Mount Type)

LED

POWER (Red, Blinking at standby mode)
LINK (Green/Orange/Red throughput indicator)
ETHERNET (Green)

WARRANTY

1 year

YOUR POINT OF CONTACT

