



LCS-PL200-KIT

HomePlug AV Ethernet Bridge KIT



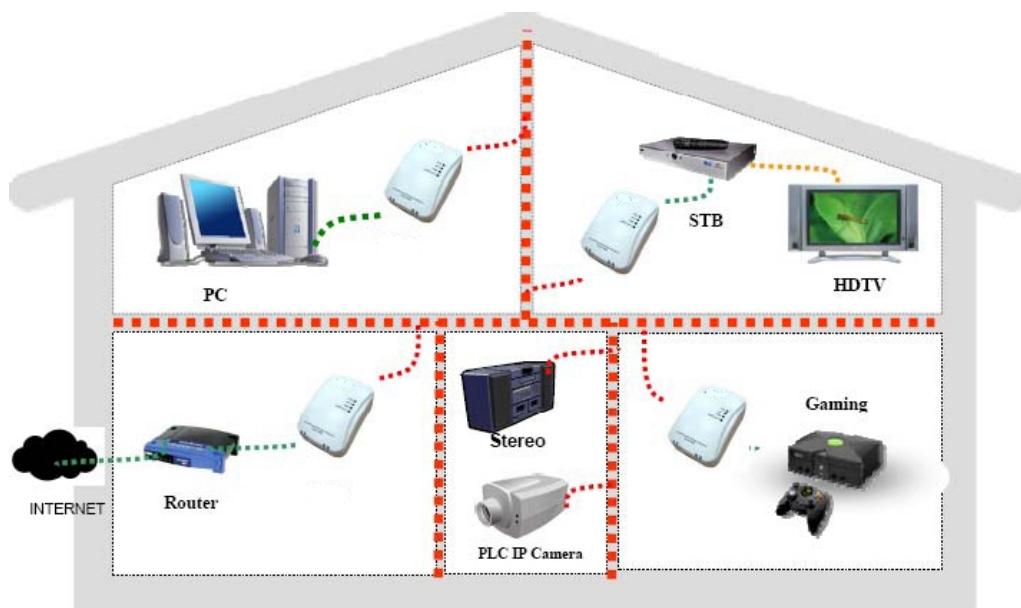
The LCS-PL200-KIT HomePlug AV Ethernet Bridge supports the high quality, home entertainment multimedia content streaming over existing AC Powerline at home. It enables service providers & consumers to distribute not only broadband data networking, but also includes the audio/ video home entertainment 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.

Key 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
- ◆ 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 Application Diagramm




Product Specification:

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|----------------------------|--|
| 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; 100 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: 1.8W at 230VAC, 1.2W at 120VAC) |
| Operating System | Window 98 SE, Me, NT, 2000,XP, MAC, Linux, Vista |
| Environmental Temperature: | Operating: 0~45°C Preserve: 0~70°C |
| Relative Humidity: | Operating: 10~90% non-Condensing Preserve: 10~95% non-Condensing |
| Physical | Dimensions (L x W x H) :95mmx75mmx50mm (With Plug) Weight: 160 g (Wall Mount Type) |
| LED | POWER (Red, Blinking at standby mode) LINK (Green/Orange/Red throughput indicator) ETHERNET (Green) |
| EAN | 4016621001121 |

