



# 200Mbps HomePlug AV Adapter



PLI-2040

H/W Version: 2

### Product Overview

PLI-2040 200Mbps HomePlug AV Adapter is a high definition cost-effective Ethernet adapter which allows home and office users to build a speedy data network over existing electrical wiring. It is ideal for users that have two different workgroups that are located in different parts of the home.

### Utilizing the home power line infrastructure

Transmit data using the existing electrical wiring in your building by simply plug PLI-2040 into an AC outlet. This is a fast, simple, and cost-effective alternative to installing expansive Ethernet cables throughout your entire home or small office. For this purpose PLI-2040 x 2 starter kit is also available for a quick set-up of a home network\*.

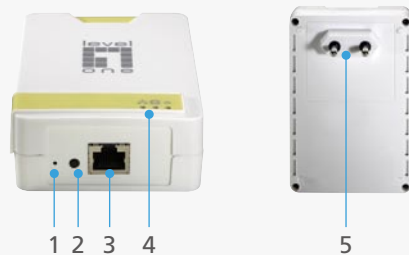
### Built-in QoS for fast network speeds

PLI-2040 HomePlug AV is featured with Quality of Service (QoS) which ensures sufficient bandwidth for delivering high quality multimedia streams over the home network. Follows the HomePlug AV standard, users enjoy 200Mbps throughput for all bandwidth-hungry applications, such as VoIP calls, video/audio streams, gaming consoles, or any other applications which requires high-speed Internet connectivity.

Up to 10 times faster than other HomePlug devices when store, transfer and access large files to LevelOne's Network Attached Storage (NAS), such as FNS-1020 and GNS-2000.

128-bit AES secure encryption for enhance network protection and data transmission.

\* PLI-2040 starter kit is available which includes 2 HomePlugs, a user's manual, a utility CD for quick installation and a quick started guide.



1. Reset Button
2. Security Push Button
3. RJ-45 Ethernet Port
4. LED Indicators
5. Power Plug

### Key Features

- Stream HD (High Definition) multimedia content across your home network
- Built-in QoS Engine for prioritized audio and video streaming
- Provides up to 200Mbps data transfer rate
- 128-bit AES secure encryption for enhanced network protection
- Simple Plug-and-Play Installation
- Cost-effective network solution
- Deliver the benefits of Ethernet without wiring expense
- Power Packet Utility provides unsophisticated users a way to graphically manage their HomePlug network

### Works Well With



**PLI-3110**  
HomePlug Pro PoE



**FNS-1020**  
1-Bay Simple Network Storage  
(H/W: 2.0)

## Technical Specification

### Computer Interface

IEEE802.3; IEEE802.3u

### Standards

HomePlug AV

### Network Interface

One RJ-45 (10/100Base-T Ethernet)

### Security

128-bit AES Link Encryption with Key Management

### Software

HomePlug Configuration Tool for Microsoft Windows 98 SE, ME, 2000, XP, and 32-bit Vista, 7

### Data Transfer Rate

200 Mbps over Powerline and 10/100Mbps over Ethernet

### Modulation Schemes

OFDM Symbol Modulation on Line synchronization

1024/256/64/16/8 - QAM, QPSK, BPSK, ROBO Carrier Modulation

### Frequency Band

2 ~ 28 Mhz

### Additional Protocols

Mix of TDMA and CSMA/CA channel access scheme; CO device generates a periodic beacon carrier for channel access scheme

### Operation Range

Estimated range of 300m in wall power lines

### Cabling

100Base-T; Cat. 5 UTP Cable

### Operating Temperature

0°C to 40°C ambient temperature

### Storage Temperature

-20°C to 70°C ambient temperature

### Humidity

10 to 90% maximum (non-condensing)

### Power Input

100 ~ 240V @ 50/60Hz Internal

### Housing

Plastic (96mm x 70mm x 32mm)

### Software Utility

Device Detect/Diagnostic, NEK Password Setup for Local and Remote Device Windows 2000, ME, NT, XP, or Vista, 7 for Initial Setup

### LED

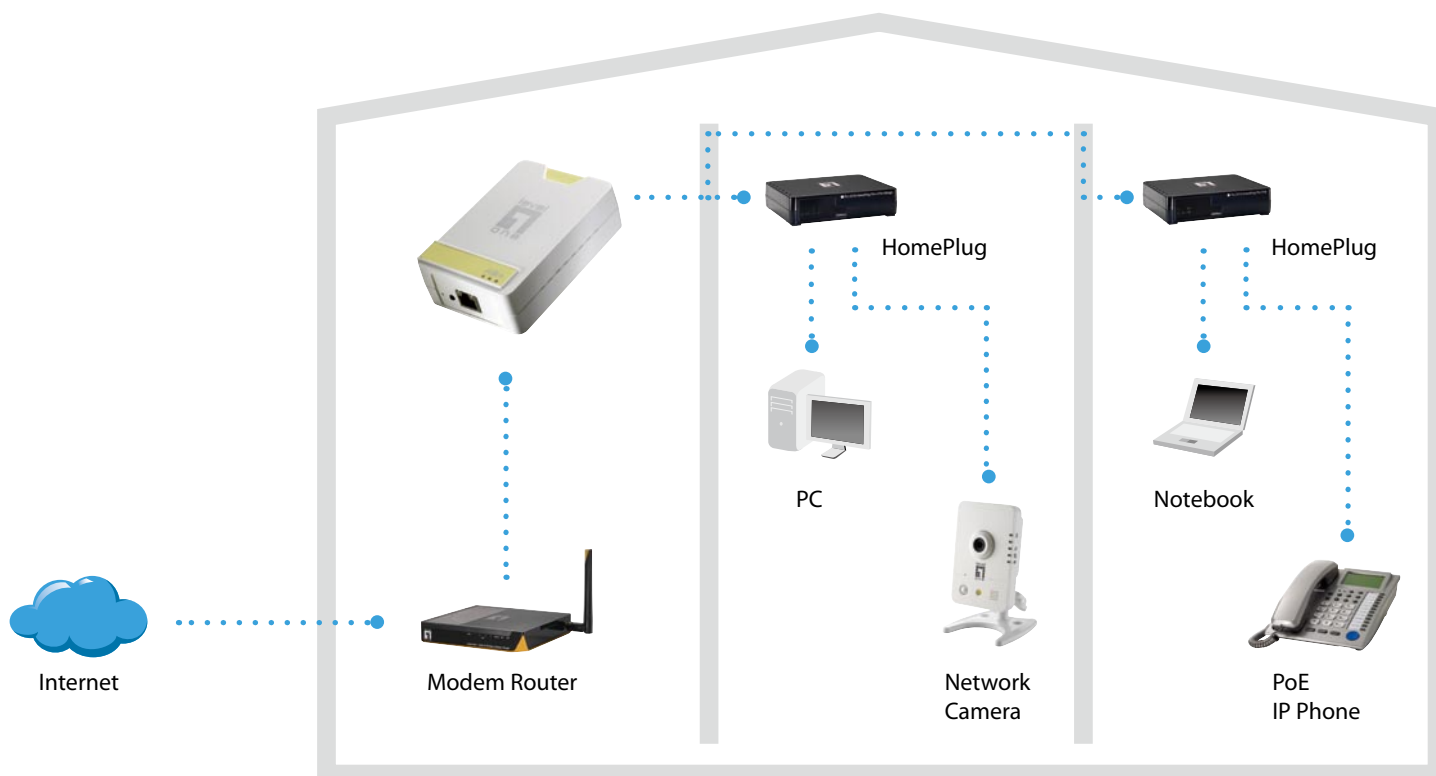
PL – Link/Act; Traffic-Link/Act; ETH – Link/Act

### Certifications

HomePlug AV PowerLine Specification

FCC Class B / CE Mark / HomePlug Certification

## Product Diagram



## Order Information

**PLI-2040:** 200Mbps HomePlug AV Adapter

**PLI-2040:** 200Mbps HomePlug AV Adapter Starter Kit

## Package Contents

PLI-2040

Quick Installation Guide

RJ-45 Ethernet LAN Cable

Quick Installation Guide

CD Manual / Utility