



# 200Mbps Powerline Adapter



PLI-3021  
PLI-3021D

H/W Version: 1

### Product Overview

The LevelOne PLI-3021(D) 200Mbps Powerline Adapter is a cost-effective Ethernet adapter which allows home and office users to build-up a speedy data network over existing electrical wiring. It is ideal for users when it comes down to device placement in the workspace either home or office.

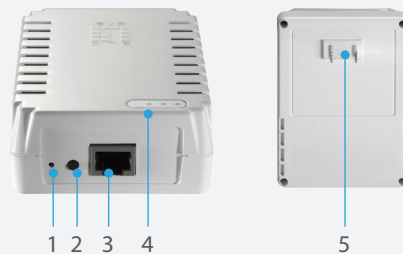
### Utilizing the home power line infrastructure

Transmit data by using the existing electrical wiring in the building. Simply plug the PLI-3021(D) into an AC outlet. This is a fast, simple, and cost-effective alternative instead of installing expensive Ethernet cables throughout entire home or office. For this purpose the dual-pack starter kit of PLI-3021(D) is also available for a quick setup of a powerline network.

### Built-in QoS for fast network speeds

The PLI-3021(D) is featured with Quality of Service (QoS) to ensure a sufficient bandwidth for delivering high-quality multimedia streams over powerline network. Complies with the HomePlug AV standard, users can enjoy 200Mbps data transfer rates for all bandwidth-hungry applications, such as VoIP, video/audio streams, gaming consoles, or any other applications which requires a high-speed Internet connectivity.

The PLI-3021(D) also provides 128-bit AES encryption with one-push button for easy achievements of network protection and secured data transmission.



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

### Key Features

- Designed for High-Definition multimedia streaming
- Built-in QoS engine for prioritized audio and video streaming
- Data rate of up to 200Mbps over existing electrical wiring
- 128-bit AES encryption for network protection enhancement
- Simple Plug-and-Play installation
- Easy-to-use utility for powerline network management

### Works Well With



**PLI-3411**  
200Mbps Powerline Wireless  
Access Point



**FCS-0031**  
Megapixel PIR Lighting PoE  
Network Camera

## Technical Specification

### Computer Interface

IEEE802.3; IEEE802.3u

### Standards

HomePlug AV

### Network Interface

One RJ-45 (10/100Base-T Ethernet) support 200Mbps Power Line Port

### Security

128-bit AES Link Encryption with Key Management

### Software

Utility 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. 5e or above UTP cable

### Operating Temperature

0°C to 40°C

### Storage Temperature

-20°C to 70°C

### Humidity

10% to 90% (non-condensing)

### Power Input

100 ~ 240V @ 50/60Hz Internal

### Power Save

Standby Mode &lt;1W

### Housing

Plastic (99mm x 73mm x 34mm)

### 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

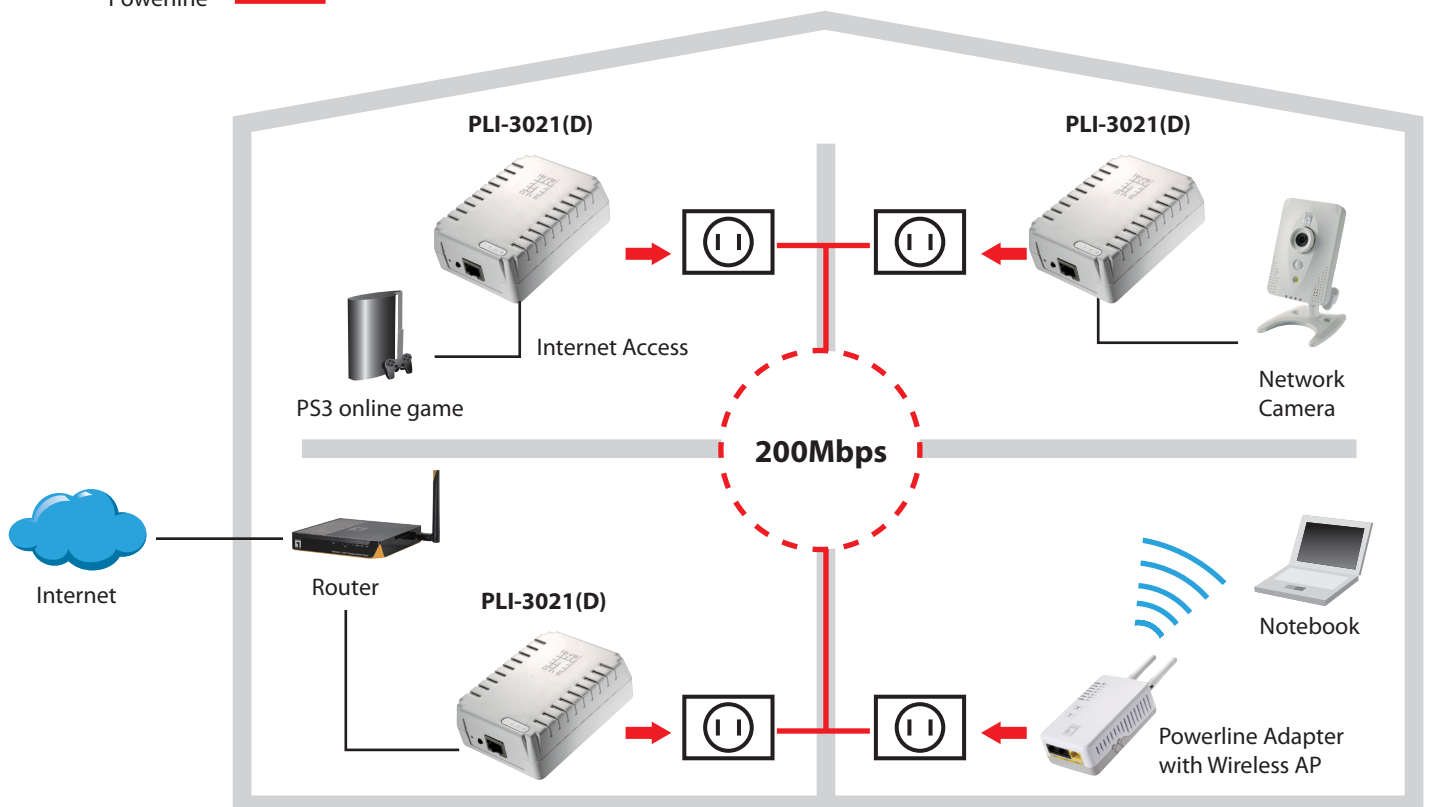
PL – Link/Act; Traffic-Link/Act; ETH – Link/Act

### Certifications

HomePlug AV PowerLine Specification  
FCC Class B / CE Mark / HomePlug Certification

## Product Diagram

Ethernet Cable (RJ-45) ————  
Powerline —————



## Order Information

**PLI-3021:** 200Mbps Powerline Adapter

**PLI-3021D:** 200Mbps Powerline Adapter (Dual-Pack)

## Package Contents

### **PLI-3021:**

PLI-3021 x 1

RJ-45 Ethernet LAN Cabel x 1

Quick Installation Guide

CD Manual / Utility

### **PLI-3021D:**

PLI-3021 x 2

RJ-45 Ethernet LAN Cabel x 2

Quick Installation Guide

CD Manual / Utility