



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.

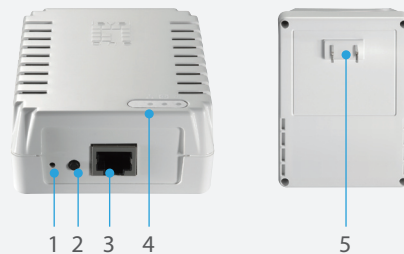
Utilizing the home power line infrastructure

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 <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

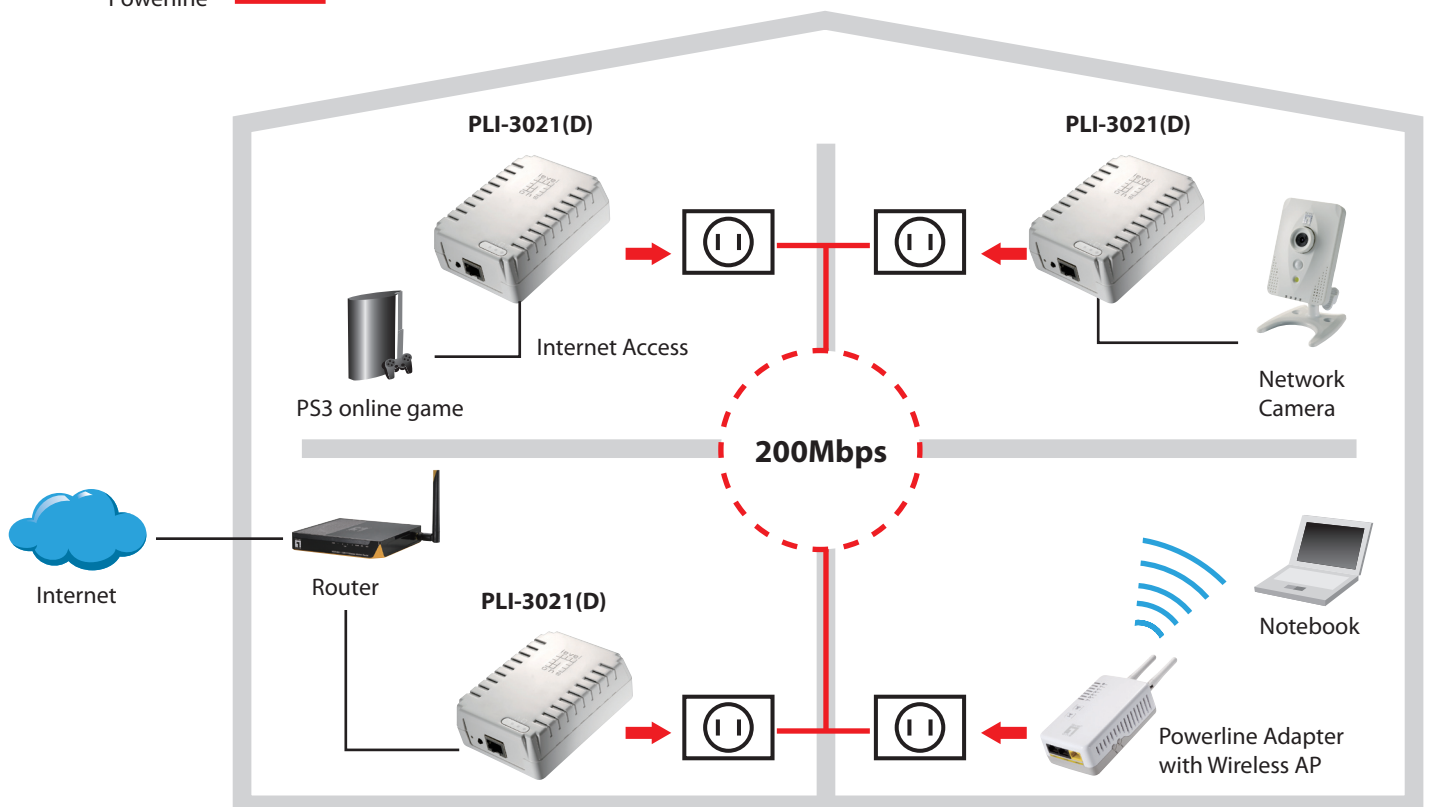
PL – Link/Act; Traffic–Link/Act; ETH – Link/Act

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