level one®

500Mbps Nano Powerline Adapter
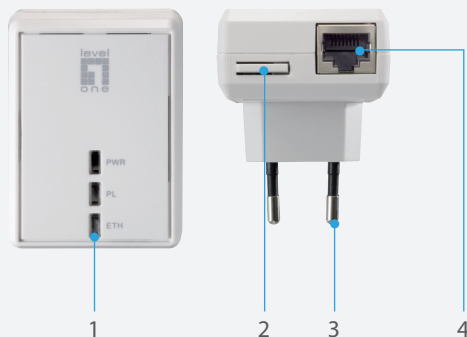
PLI-4052(D)

H/W Version: 1

Product Overview

The LevelOne PLI-4052 500Mbps Nano Powerline Adapter allows you to build a powerful and clutter-free network without breaking the bank. The latest HomePlug AV technology enables a data transmission via existing electrical wiring instead of messy network cables. Simply plug the PLI-4052 adapters into wall sockets without any configuration, and a stable powerline network will be ready with incredible ease.
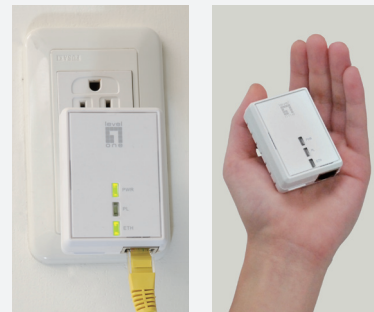
There is also a built-in security button with the 500Mbps Nano Powerline Adapter. Simply push button for group network, which also a setup for 128-bit AES encryption for a secured data transmission.

Featuring Quality of Service (QoS) technology for bandwidth management. It ensures the network quality for bandwidth-hungry applications, such as audio/video streams, gaming consoles or multiple HD streams (HDTVs).

Front & Rear View

1   2   3   4

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

Super Compact Design

Easy Plug and Play setup with space-saving design

Key Features

- Extends your home network through existing electrical wiring with data transfer speeds of up to 500Mbps
- QoS control for traffic prioritization and bandwidth management
- Simple Plug and Play installation
- Compact and light-weight design
- Security push button for software free configuration
- 128-bit AES encryption for network protection enhancement

Works Well With

PLI-3411
200Mbps Powerline Wireless Access Point

FCS-0040
1.3-Megapixel Network Camera

Technical Specification

Computer Interface
IEEE802.3; IEEE802.3u

Standards
IEEE1901/ HomePlug AV

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

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
500Mbps 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 ~ 50 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 (64mm x 46.5mm x 24.5mm)

Software Utility
Device Detect/Diagnostic, NEK Password Setup for Local and Remote Device Windows 2000, ME, NT, XP, or Vista, 7 for Initial Setup
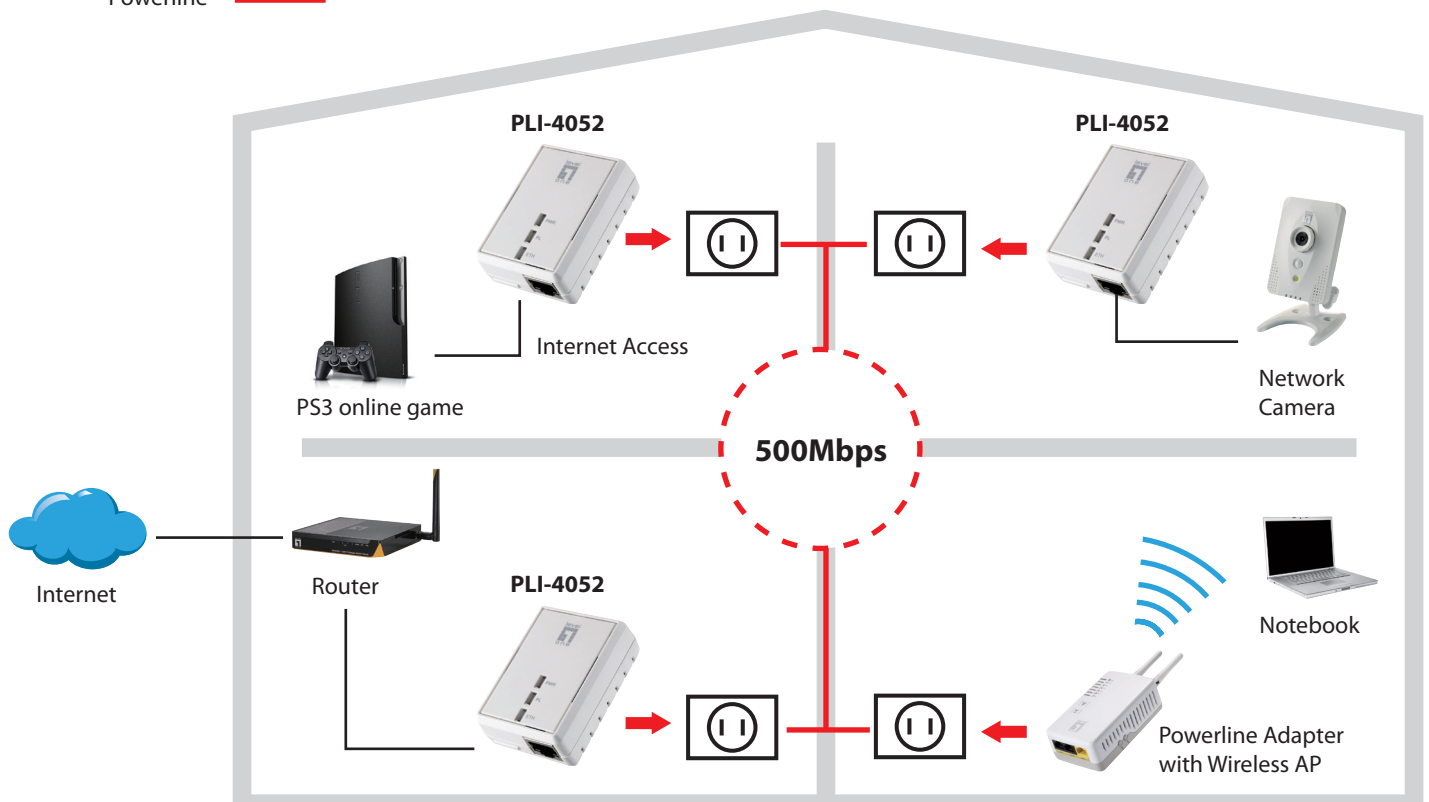
LED
PL – Link/Act; Traffic–Link/Act; ETH – Link/Act

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

Product Diagram

Order Information   **PLI-4052:** 500Mbps Nano Powerline Adapter

PLI-4052D: 500Mbps Nano Powerline Adapter (Dual-Pack)

Package Contents   **PLI-4052:**
PLI-4052 x 1
Network Cable x 1
Quick Installation Guide
CD - User Manual / Utility

PLI-4052D:
PLI-4052 x 2
Network Cable x 2
Quick Installation Guide
CD - User Manual / Utility