85Mbps HomePlug 11g Wireless AP

Cost-effective Network Solution-- LevelOne Homeplug networking solution, PLI-3020 HomePlug Wireless AP, provides simple internet connection by plugging into the existing powerline infrastructure thus leveraging the performance of the Ethernet. With our advanced HomePlug technology, there is no need to spend time and money implementing expensive Ethernet cabling to share your high speed cable or DSL modem. We thus provide a cost-effective solution for network installations.

Adopt the Latest Technolog -- The PLI-3020 complies with HomePlug 1.0 Turbo standard which provides the capabilty of transmitting data at a maximum speed of 85Mbps over existing electrical infrastructure. The built-in Quality of Service (QoS) features provide the necessary bandwidth for multimedia payloads including voice, data, audio, and video applications while the 56-bit Data Encryption Stardard (DES) default-enabled technology guarantees security and transmission privacy.

Full Wireless AP Functions -- The PLI-3020 complies with IEEE 802.11g standard to deliver outstanding data rates of up to 54 Mbps in the 2.4 GHz frequency band. In addition to providing basic security control by using ESSID and 64/128-bit key length WEP encryption, this device also supports such advanced protective features as WPA-PSK to provide enhanced levels of security.

Easy to Install and Maintain-- The PLI-3020 is easy to setup and install with minimum effort using the embedded configuration utility. This feature enables the user to find Homeplug devices on the powerline network, measure data rate performance and ensure privacy by setting a user defined network private password. With its compact-sized, wall-mounted design, our PLI-3020 is easy to place without limiting your mobility thus saving your destop space.

The PLI-3020 is the ideal solution specifically targeted at SOHO users or small and medium enterprises that need high-speed networking without cluttered messy wiring.

PLI-3020

Related Products

PLI-2020
HomePlug Ethernet Bridge

Key Features

- HomePlug 1.0 and 1.0 turbo Compliant
- Deliver the benefits of Ethernet without wiring expense
- Delivers data of up to 85 Mbps data rates
- Integrated QOS features
- OFDM for high data reliability in noisy media conditions
- Privacy through 56-bit DES Link Encryption

- Complies with IEEE 802.11g standard
- Supports Wireless AP Mode
- Supports Roaming between different AP
- Supports Auto-sensing Open System/ Share Key Authentication/WPA-PSK
- Enable/Disable SSID Broadcast

Technical Specification

HomePlug

- **Standard**
  HomePlug Powerline Alliance Specification 1.0
- **Modulation**
  OFDM 256/64/16, DQPSK, DBPSK and ROBO
- **Frequency Band**
  4.3 Mhz to 20.9 Mhz
- **Security**
  56 bits DES encryption with key management
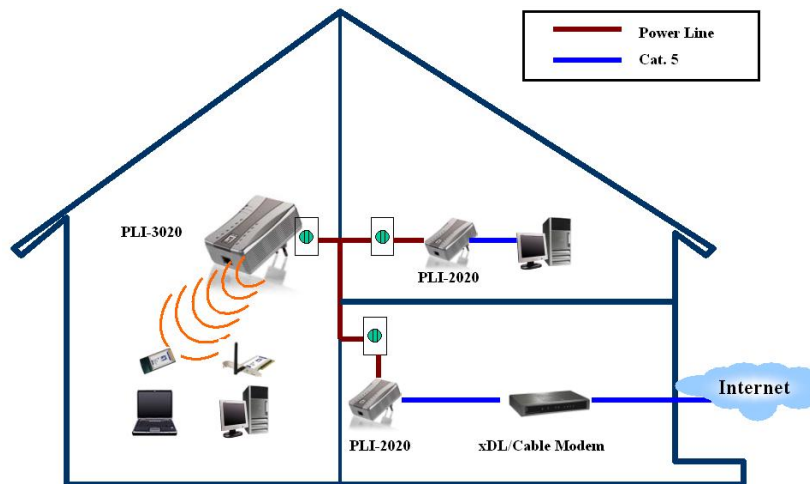- **Data Rate**
  Up to 85 Mbps

Wireless AP

- **Modulation**
  DSSS BPSK/QPSK/CC/OFDM
- **Operation Mode**
  Access Point Mode (Support Multiple User)
- **IP Assignment**
  DHCP Client
  Fix IP Address
- **Security**
  Auto-sensing Open System/ Share Key Authentication/
  WPA-PSK
- **Management**
  Web-based configuration
- **Firmware Upgrade**
  HTTP, TFTP download

Hardware

- **Memory**
  DRAM: 8MB
  Flash: 1MB
- **Hardware (Homeplug Chipset)**
  Intellon INT5500 Integrated single-chip Powerline Network
  Transceiver
- **LEDs**
  Power (Green)
  HomePlug Link/Act (Green)
  WLAN Link/Act (Green)
- **OS Supported**
  Windows™ 98SE/ME/2000/XP
- **Power input**
  100-240VAC, 50/60 Hz
  Supply for Europe, US plugs
- **Temperature**
  Operating: 0℃~40℃ (32℉ ~ 104℉)
  Storage: -25℃~70℃ (-13℉ ~ 158℉)
- **Humidity**
  Operating: 30% ~ 80% (non-condensing)
- **Dimension**
  103.0mm(L) * 71.5mm(W) * 38.0mm(H)
- **EMI and Safety**
  FCC, CE

Product Diagram

LevelOne 85Mbps Homeplug Solution

Ordering Information

- PLI-3020: 85Mbps HomePlug 11g Wireless AP

www.level1.com