

PlugLink-ETH-500

HomePlug® 500

PL9671-A2



HD Video, Voice, and Data Home Networking...



The PlugLink-ETH-500 from Asoka® makes it quicker and easier than ever to set up a home network using existing electrical outlets. The latest 500 Mbps provides high speed transmission for HD Video, Data, Voice, and audio between devices. Great for applications, such as high end video entertainment, online gaming, and large file exchanges. Our latest technology encompasses a built-in feature to analyze your electrical outlet's network throughput level.

A New Multimedia Home Networking Solution

In addition to sending and receiving digital data at blazing speeds, the PlugLink-ETH-500 uses the latest technology to enhance multimedia experiences. Featuring an easy-to-use interface for configuring Quality of Service (QoS) for flawless IPTV and VoIP delivery, the PlugLink-ETH-500 supports multiple streams of high-quality HD/SD video as well as popular Voice over IP (VOIP) throughout the home. The PlugLink-ETH-500 opens the door to multimedia networking throughout the home via electrical powerline

"Plug-IN-and-Play"

Using the world's most pervasive and ubiquitous network architecture - ordinary electrical wiring-as the medium for data transmission, the PlugLink-ETH-500 provides a flexible network and multimedia solution that covers an entire home. Costly rewiring and wireless dead spots are now things of the past. In addition to its astounding performance, the PlugLink-ETH-500 turns every power outlet into an Ethernet network connection, providing a new dimension of freedom for PCs, set top boxes, VoIP phones, game systems, and other multimedia devices. Getting connected is as easy as plugging IN a night light.

Advanced Network Security

The PlugLink-ETH-500 uses the latest push-button security technology for network security and data protection. Simply push the button of the adapters you want on the secure network. The PlugLink-ETH-500 features 128-bit AES encryption for secure data transmission across the home electrical powerline.

A Reliable Trustworthy Network with No Fuss

The PlugLink-ETH-500 is manufactured and tested to the highest standards, delivering maximum uptime and the highest levels of network reliability. The PlugLink-ETH-500 will not interfere with the operation of other home devices, and is built to industry-wide standards, such as IEEE 802.3 and HomePlug® AV for full compatibility with existing standards-based products.

Benefits

1. Eliminate "Dust and Disruption"
2. No wireless dead spots
3. No new wires
4. Decrease installation time
5. Potential new stream of revenue
6. Enhanced customer relationship
7. Decreased customer churn

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Suitable Applications

High Definition TV (HDTV) Distribution
 IPTV
 High Data Rate Broadband Sharing
 Audio and Video Streaming
 Voice Over IP (VOIP)
 PC Files and Applications Sharing
 Network and Online Gaming
 Security Cameras and Video Server

System Requirements for the Configuration Software

Windows® 98 SE, ME, 2000, XP and Vista
 CD-ROM drive

Standards & Protocols

IEEE 1901
 IEEE 802.3,
 IEEE 802.3x,
 IEEE 802.3u,
 HomePlug@AV

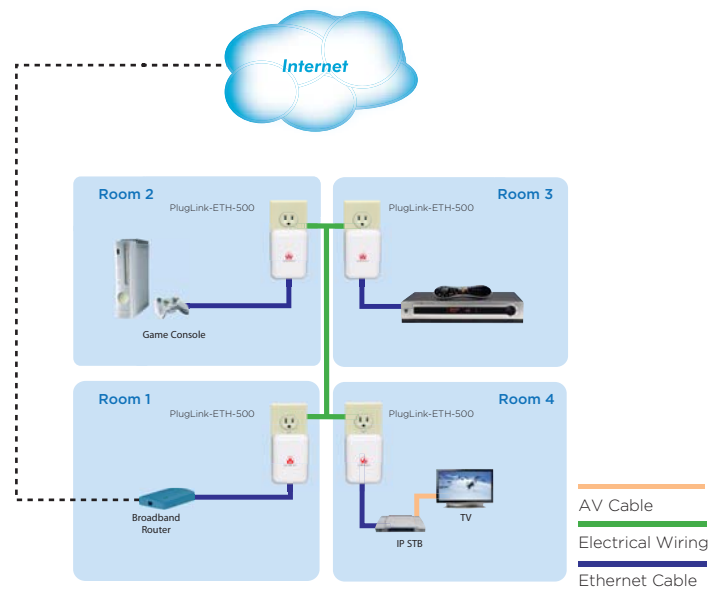
Specifications

Network Protocol: TCP/IP, CSMA/CA, TDMA (*)
 Network Interface: One-port 10/100 Mbps
 Ethernet (RJ-45) switch
 PLC Bandwidth: PLC 500 Mbps
 Powerline Security: 128-bit AES Encryption
 Powerline Operation Frequency: 2-70 MHz
 Modulation Support: OFDM, QAM 4096/1024/256/
 64/16 •QPSK •BPSK
 Quality of Service (QoS): ToS, 802.1q, TDMA (*)
 Power Rating: US Version: 120VAC 0.1A max, 60Hz
 UK/EU Version: 220-240VAC 0.08A max, 50Hz
 Safety & EMI: FCC, UL, CUL, CE
 Surge Protection: 4KV

Package Contents

PlugLink-ETH-500
 Quick Installation Guide
 Warranty & Support Card
 Resource CD
 Ethernet Cable

Typical Network Diagram



Available Plug Types:



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(*) TDMA will be supported in the future.