

PlugLink Pass -Through - 500

PL9677-B1



Home Networking... Easier and Faster Than Ever



The PlugLink Pass-Through-500 (from Asoka) makes it quicker and easier than ever to set up a home or small business network using existing electrical wiring, truly bringing HD IPTV to life. With speeds of up to 500 Mbps, the PlugLink Pass-Through-500 also eases large file exchanges and accelerates online gaming to a new dimension. The integrated power outlet pass-through with advanced noise filtering retains the use of the power outlet.

A New Multimedia Hub

In addition to sending and receiving digital data at blazing speeds, the PlugLink Pass-Through-500 uses the latest technology to enhance multimedia experiences. Featuring an easy-to-use interface for configuring Quality of Service (QoS) options for flawless IPTV and VoIP delivery, the PlugLink Pass-Through-500 supports multiple streams of high quality HD/SD video as well as popular Voice over IP (VOIP) throughout the home or office. The PlugLink Pass-Through-500 opens the door to unlimited Possibilities-Internet, voice, and multimedia all from the PC desktop.

Simple to Plug In and Connect™

Using the world's most pervasive and ubiquitous network architecture - ordinary power lines - for data transmission, the PlugLink Pass-Through-500 provides a flexible network and multimedia solution that covers an entire home or office. Messy cabling and wireless dead spots are now things of the past. In addition to its astounding performance, the PlugLink Pass-Through-500 turns every power outlet into an Ethernet network connection, while retaining the use of the power outlet and filtering out noise caused by other electrical devices. Staying connected is as easy as plugging in a night-light.

Advanced Noise Filtering

To prevent network performance degradation from noisy devices on the power lines, the PlugLink Pass-Through-500 features a filtered power outlet pass-through. This advanced noise filtering keeps the network noise floor as low as possible to ensure peak performance—a key benefit, especially when delivering bandwidth intensive services such as HD video.

Beefed-Up Network Security

The PlugLink Pass-Through-500 uses the latest push-button security technology for network security and data protection. The PlugLink Pass-Through-500 features 128-bit AES encryption for secure data transmission across the power lines.

A Reliable, Trustworthy Network with No Fuss

The PlugLink Pass-Through-500 is manufactured and tested to the highest standards, delivering maximum uptime and the utmost levels of network reliability. The PlugLink Pass-Through-500 won't interfere with the operation of other home or office devices, and is built to industry standards, such as IEEE 802.3 and HomePlug AV, for full compatibility with existing standards-based products.

PlugLink Pass-Through-500



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, Vista and
Windows 7 (32-bit)
CD-ROM drive

Standards & Protocols

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

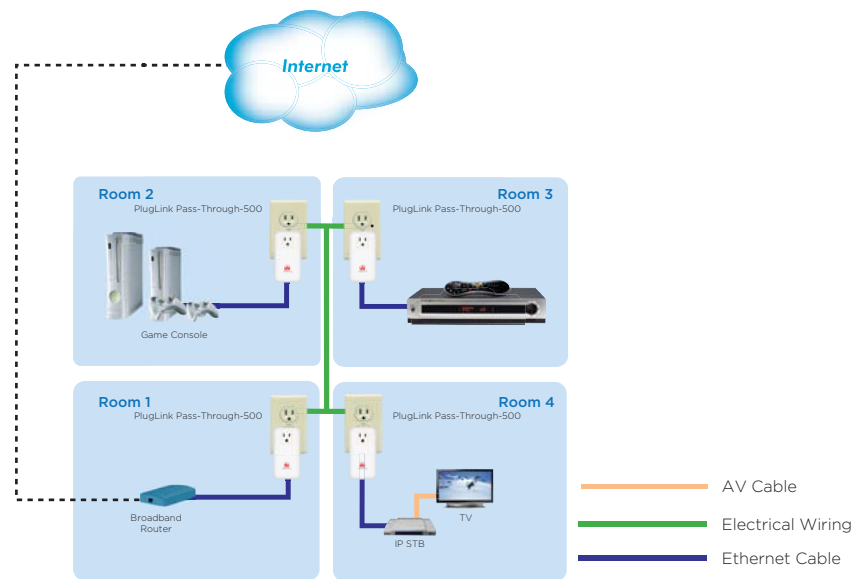
Specifications

Network Protocol: TCP/IP, CSMA/CA, TDMA (*)
Network Interface: Ethernet RJ-45 (10/100Mbps port),
PLC PHY-Rates: 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: 100VAC-240VAC (US Plug:100-120VAC)
Safety & EMI: FCC, UL, cUL, CE
Surge Protection: 4KV
Outlet: Support Max 15.9A(11.9A for US Plug,
12.9A for UK Plug,15.9A for Euro Plug)
Attenuation value of the filter: 35-60dB

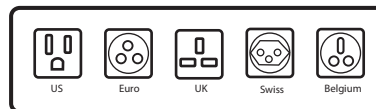
Package Contents

PlugLink Pass-Through-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.

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