

MegaPlug™ AV 200 Mbps Ethernet Adapter

Just when you thought moving big files from one device to another around your world would be a complicated and time-consuming task, Actiontec comes to your rescue. With the new MegaPlug AV 200 Mbps Ethernet Adapter, you can expand your current home network (using your already-installed power lines) and experience blinding transfer speeds, all at the same time! Now, you can transfer movies, or multiple songs, or any other large files, from one networked device to another, in minutes instead of hours, or seconds instead of minutes.

Speed, Speed, and More Speed

The first thing you'll notice about the MegaPlug AV Adapter is its speed. Hundreds of photos transfer from the computer in the den to the computer in the living room in a flash. A multi-gigabit movie file streams effortlessly from the kitchen to the bedroom.

Security for the 21st Century

The MegaPlug AV Adapter supports Push-Button Security. This feature makes it easy to connect all the devices on your local network with a unique security key. Instead of having to manually change the security key, Push-Button Security connects your devices to the network simply by pressing a



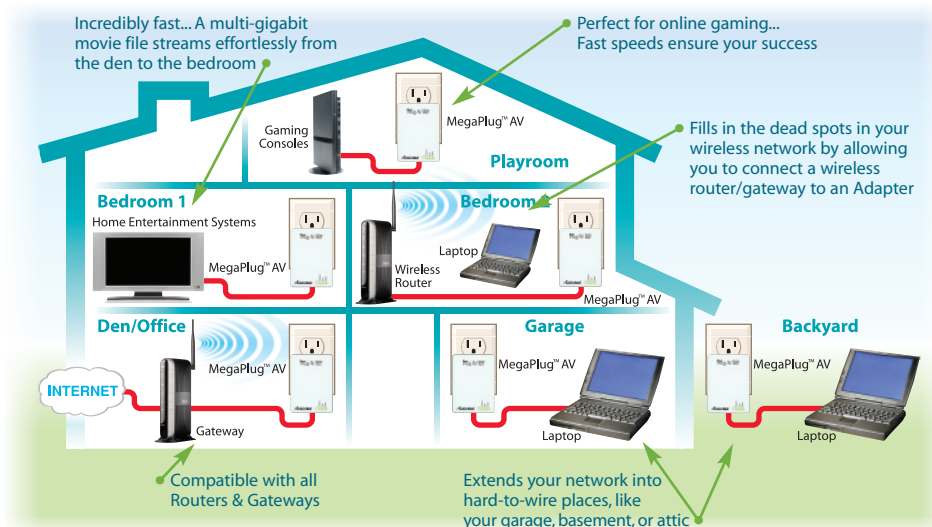
Model# HPE200AVP



button. The MegaPlug AV Adapter also features 128-bit AES, which is a new type of security and the first available to the general public that's been approved by the U. S. government for classified, top-secret documents. AES security is so secure, no computer existing today can break its code. What this means, essentially, is that you can make all your files top-secret, for your eyes only, and never worry about outsiders snooping around your personal business.

Features

- No new cables required. Uses the existing power lines in your home
- Very Easy to Use...Simply plug in
- Compatible with any Router or Gateway
- Supports HomePlug speeds up to 200 Mbps*
- Integrated QoS
- Secure data encryption



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Technical Specifications

Standards	IEEE 802.3, IEEE 802.3u, HomePlug AV
Additional Protocols & Features	CSMA/CA channel access scheme (upgradeable to TDMA); CO device generates a periodic beacon carrier for channel access scheme Forward Error Correction (FEC) Automatic Channel Adaptation
Data Rate	PHY Rate: Up to 200 Mbps over standard home power lines and 10/100 Mbps over Ethernet*
Operating Range	Up to 300 meters in wall power lines Capable of passing through circuit breakers
Security	128-bit AES Link Encryption with Key Management
Frequency Band	2 MHz – 28 MHz
Modulation	OFDM Symbol Modulation on Line Synchronization QAM QPSK BPSK ROBO Carrier Modulation
QoS	Integrated Prioritized Random Access Contention-Free Access Segment Bursting
LEDs	Power, Link, and Ethernet
Power Input	100 to 240V @ 50/60 Hz internal
Regulatory Compliance	FCC Part 15 Class B UL HomePlug Certification
Environmental Ranges	Operating Temperature: 0°C to 40°C Humidity: 10% to 90% (Non-condensing)
Warranty	Limited 1 Year Warranty

Package Contents

- MegaPlug™ AV 200 Mbps Ethernet Adapter
- Quick Start Guide
- Ethernet Cable

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* Theoretical data throughput numbers are based on maximum, theoretical PHY throughput for HomePlug AV. Actual data throughput of up to 90 Mbps (UDP) seen in laboratory testing. The throughput will vary based on the condition and noise found on the power lines within the home as well as the type of Ethernet Adapter supported on each computer or other device.

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