Actiontec® Creative Solutions for the Digital Life™

Ethernet to Coax MoCA Network Adapter for Cable TV Households

Model# ECB2200

ENERGY STAR PARTNER

MoCA Multimedia over Coax Alliance

More and more electronic devices require high speed Internet access. From IPTV to media centers, DVRs, BlueRay players, and game consoles etc, the biggest challenge facing consumers is how to connect these devices to the Internet. Now with MoCA technology, existing coaxial wires in the home can, in essence, be converted to an Ethernet network and deliver high speed Internet access to every connected device. Plus, installation is a breeze. Simply plug a MoCA adapter into your Router and to the device requiring Internet access. Most do–it-yourself consumers can complete the installation in less than 5 minutes and installation professionals no longer need to pull cables throughout the house. Join the millions of homes in North American with an Actiontec MoCA solution.

Actiontec's MoCA Network Adapter coexists with most broadband services, and passes US CATV or terrestrial signals to components such as televisions without degradation.

The Future is Not Far Off

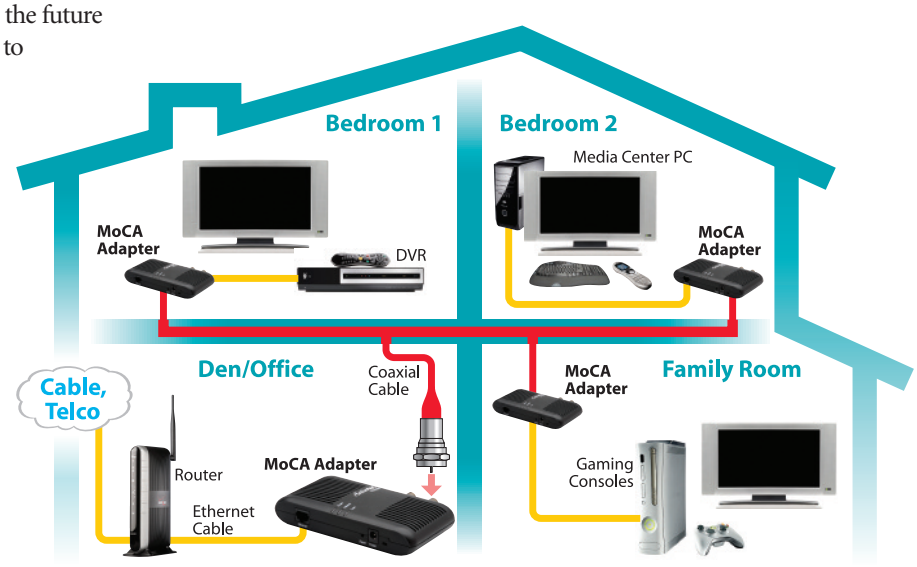
The MoCA Network Adapter is perfect for condominiums, apartment buildings, homes, and other residential buildings. Add high-speed Internet access anywhere without the hassle and high cost of complex infrastructure modifications. The MoCA Network Adapter is easy to use, features simple and seamless integration, and offers endless possibilities for network expansion over existing wiring configurations. Bridging the divide between Ethernet and MoCA networks, the MoCA adapter brings the future of multimedia experience to the home, today.

A Solution for the Home Entertainment Network

As modern homes become increasingly equipped with multiple, high-definition TVs, and DVRs, the need for increased bandwidth throughout the home is becoming more and more critical. The standard home network is rapidly mutating from the basic printer-DSL modem-computer configuration (in which the most critical networking task is moving documents around) to high-performance IP networking that transmits massive mulitmedia files (digital, high-resolution movies, for example) at high rates of speed with little or no degradation. That's where the MoCA Network Adapter shines, as it coexists with most broadband services and passes US CATV or terrestrial signals to components such as televisions.

Features

- Supports full Ethernet speed
- Uses existing coax cabling
- Password protection for access control
- Coexistence with cable TV services



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Technical Specifications

Features	Descriptions
RF Interface	Connector: F-type Impedance: 75 Ω
Network Center Frequency Range	1150 ~ 1500 MHz
Network Frequency Range	1125 ~ 1525 MHz
Max Transmit Power	+3 dBm (52 dBmV)
Link Conditions	Min Attenuation (> 250 Mbps): 10 dB min Max Attenuation (> 250 Mbps): 50 dB max Max Attenuation (>30 Mbps): 68 dB max
Network Size	16 Devices (including NC)
Max Physical Data Rate	Up to 270 Mbps
Coax Application Data Rate	Up to 175 Mbps bi-directional combined
Ethernet Interface	Connector Type: RJ45 Configuration: One Port Protocol: IEEE 802.3x, 100M Fast Ethernet
MoCA Version	MoCA 1.1
Link Delay	Typical: 3.5 ms Max: 9 ms
Power Requirement	Power Consumption: < 5 Watts Input Range: 100-240VAC, 50/60Hz
Environmental Conditions	Ambient Temperature Range: 0 ~ 40 °C Storage Temperature Range: -5 ~ 65 °C Operating Humidity: 10% ~ 95% Non-condensing

Back of Unit

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