

MODEL NUMBER

ECB7250



## MoCA 2.5 Network Adapter

The connected home needs more bandwidth than ever before. Over-the-Top HD video is pushing home networks to the limit with tablets, smartphones, gaming devices and televisions often streaming high-def content at the same time.

The ECB7250 MoCA 2.5 Network Adapter brings an instant performance boost to the home network, ensuring uninterrupted and pristine HD video, online gaming, and high speed networking. The device turns a home's coaxial wires into a high speed Ethernet network, with speeds up to 2.5 Gbps. The result is a blazing fast wired backbone that enhances the connected home experience and supplements an existing Wi-Fi network with high-speed wired connection points.

### Install in Seconds

The ECB7250 MoCA 2.5 Network Adapter works over the home's existing coaxial wiring, enabling homeowners to enjoy the reliability and performance of a wired connection without having to wire the home for Gigabit Ethernet. Simply plug one MoCA adapter into your router and another to the HDTV, set top box or other device. 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.

### Key Features

- Enhance the home's Wi-Fi network with wired speeds and reliability
- Speeds up to 2.5 Gbps
- Works over home's existing coaxial wiring
- MPS (MoCA Protected Setup) for additional protection against hacking or interference with other devices
- MoCA 2.5 with backward compatibility to MoCA 2.0, 1.1
- Won't interfere with cable TV services

### Perfect for HD Video Streaming and Gaming

When the home's wireless network can't keep up with bandwidth spikes, homeowners find their crisp HD video gets bumped down to standard definition or pauses to buffer. The ECB7250 MoCA 2.5 Network Adapter relieves the pressure on the home's Wi-Fi. It turns any coax port into a high-speed Ethernet connection that's perfect for connecting HD televisions, set top boxes, and gaming consoles.

### Next Generation MoCA 2.5 Speeds

MoCA technology guarantees the distribution of HD and ultra-HD content around the home over coax. With support for the latest MoCA 2.5 standard, the ECB7250 delivers wired speeds up to 2.5 Gbps, more than enough bandwidth for HD video, online gaming, and other demanding applications. Join the millions of homes in North America that are taking their HD video streaming and online gaming to the next level with an ScreenBeam MoCA solution.

# Specifications

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## RF Interface

- Connector: F-type
- Impedance: 75  $\Omega$

## Coax In Frequency Range

- Extended D-band: 1125 ~ 1675MHz

## Transmit Power

- Max: 9 dBm
- Typical: +1 to +9 dBm

## Throughput (Uni Direction)

- up to 2.5 Gbps

## Network Size

- 16 Devices (including NC)

## Ethernet Interface

- Connector Type: RJ45
- Configuration: One Port
- One 10/100/2500 Base T 802.3bz

## MoCA Version

- MoCA 2.5
- Backward Compatible with MoCA 1.0/1.1/2.0

## Link Delay

- Typical: 3.6 ms
- Max: 6.3 ms

## Power Adapter

- Input 100-240V @0.6A
- Output 5VDC @2.0A

## Environmental Conditions

- Ambient Temperature Range: 0 - 40°C
- Storage Temperature Range: -20 - 85 °C
- Operating Humidity: 10% - 85% Non-condensing

## Regulatory Approvals/ Certifications

- FCC 15B
- UL, cUL 60950-1
- RoHS
- SNE

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- Theoretical data throughput numbers are based on maximum, theoretical PHY throughput for MoCA 2.5. Actual data throughput of up to 2.5 Gbps (TCP) seen in laboratory testing. The throughput will vary based on the condition and noise found on the coaxial cabling within the home as well as the type of Ethernet Adapter supported on each computer or other device.
- Coax outlets and Coaxial wiring must all be part of the same coax system. Certain coax conditions in your home, such as wiring conditions and configuration may effect the performance of this product. A minimum of two ScreenBeam Coax Network Adapters are required to create a network, unless the user has a modem, router or gateway with MoCA 2.5 or below built in.
- ScreenBeam makes no express or implied representations or warranties about this product's compatibility with any future standards.
- Product photo may differ from actual product, however functionality remains as stated above.
- Specifications are subject to change without notice.