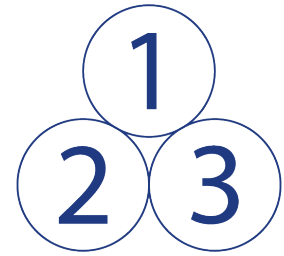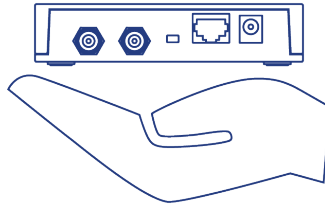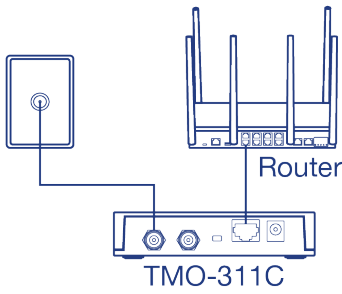# Ethernet Over Coax Adapter

TMO-311C (v1.0R)

- Supports MoCA 2.0 over coaxial cables
- Backward compatible with MoCA 1.1/1.0 standards
- 1 x MoCA Coax: F-Type Female coax input
- 1 x TV Coax: F-Type Female coax output
- 1 x RJ-45 Gigabit LAN port
- Supports up to 16 nodes on one network
- Supports net throughput of up to 1Gbps

- Designed to connect Ethernet devices to an existing MoCA compliant network
- Not compatible with Directv, Dish Network, AT&T U-Verse, or other non-MoCA compliant subscription services
- Includes one MoCA 2.0 Ethernet over Coax Adapter (TMO-311C)

TRENDnet's MoCA 2.0 Ethernet Over Coax Adapter, model TMO-311C, uses your existing coaxial cables to extend a high-speed building-wide Triple Play network throughout your home or office. These compact MoCA adapters are designed to support MoCa 2.0 deployment for digital TV, high speed-internet, and VoIP single-access subscription service offerings. Compliant with Multimedia over Coax Alliance (MoCA 2.0) standards with improved packet error rate technology that delivers consistent voice and video bandwidth with lowered latency.

TRENDnet®

MoCA 2.0

Supports Multimedia over Coaxial Alliance 2.0 with improved packet error rate technology that delivers consistent voice and video bandwidth with lowered latency.
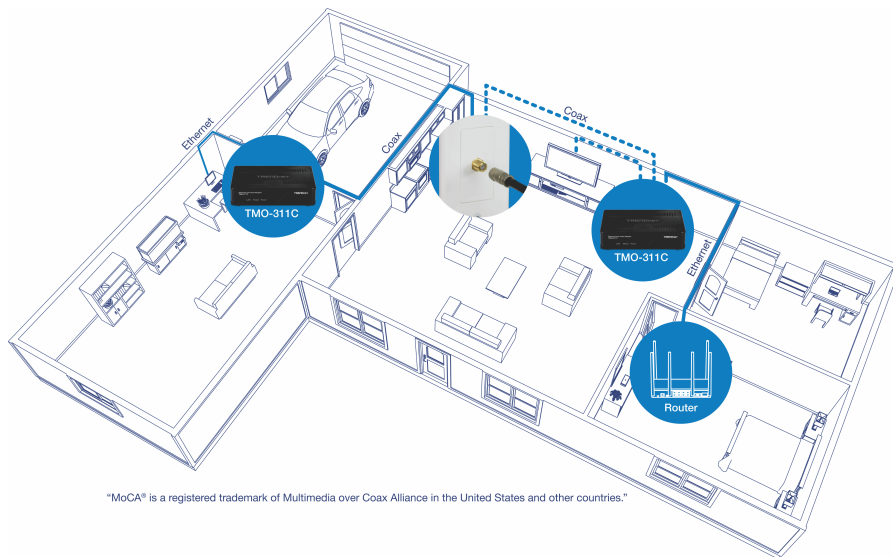
Compact Design

With a compact and lightweight housing design, our MoCA adapters are well-suited for a variety of installations, such as your desktop or entertainment center.

Easy Installation

No configuration needed, simply connect the adapters to the MoCA network to extend your network over existing coaxial cabling.

NETWORKING SOLUTION

"MoCA® is a registered trademark of Multimedia over Coax Alliance in the United States and other countries."

Reset button

LED indicators

1 x Coax cable in port (female)

1 x Coax cable out to TV port (female)

Power jack

1 x Gigabit LAN port

FEATURES

Easy Installation

These MoCA coax to Ethernet adapters require no configuration, simply connect the adapters to the MoCA network to extend your network over existing coaxial cabling

MoCA 2.0

Supports Multimedia over Coaxial Alliance 2.0 with improved packet error rate technology, delivering consistent voice and video bandwidth with lowered latency

Compact Design

With a compact and lightweight housing design, our MoCA adapters are well-suited for a variety of installations, such as your desktop or entertainment center

Gigabit

These MoCA to Ethernet converters each feature a Gigabit LAN port that allows MoCA traffic to flow smoothly, reducing traffic bottlenecks

LED Indicators

LED indicators on the MoCA adapters convey MoCA, LAN, and Power status

SPECIFICATIONS

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- MoCA 1.1/1.0
- MoCA 2.0

Device Interface

- 1 x Coax cable in port (female)
- 1 x Coax cable out to TV port (female)
- 1 x Gigabit LAN port
- Reset button
- LED indicators
- Power jack

Data Transfer Rate

- Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
- Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)
- Gigabit: 2000Mbps (full duplex)
- MoCA 1.1: 225Mbps (50dB attenuation)
- MoCA 2.0: Multi-node: 600Mbps @ -2 – 43dBm
- MoCA MAC rate:
  - 16-node single channel: up to 400Mbps
  - 16-node 2 channel bonding: up to 1Gbps

MoCA Radio

- Max. 16 MoCA 1.1 or 2.0 devices
- Max. 8 MoCA 1.0 devices
- Max. transmit power: +0 dBm @ 1150MHz
- 1.1/1.0 channels: 8 with 50Mhz bandwidth
- 2.0 channels: 10 with 100Mhz single channel, 225Mhz bonded channel
- 2.0 Edge-to-edge frequency: 1125-1675Mhz
- Default channel: 1150Mhz

Power

- Input: 100 – 240V AC, 50/60Hz, 0.5A
- Output: 12V DC, 1A external power adapter
- Max. consumption: 7W

Operating Temperature

- 0° – 40° C (32° – 104° F)

Operating Humidity

- Max. 85% non-condensing

Dimensions

- 112 x 88 x 25mm (4.4 x 3.5 x 1 in.)

Weight

- 124g (4.4 oz.)

Certifications

- FCC

Warranty

- 3-year

Package Contents

- TMO-311C
- Quick Installation Guide
- Power adapter (12V, 1A)

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.