



MoCA 2.5 Coax to Ethernet Adapter

HT-EM4



Give your customers an always-reliable, super-fast connection for an HDTV or gaming console. This easy-to-use coax to Ethernet adapter uses the latest MoCA 2.5 standard to create a wired MoCA backbone with speeds up to 2.5 Gbps over your home's existing coax wires.

Speeds up to 2.5 Gbps

The HT-EM4 MoCA 2.5 Coax to Ethernet Adapter supports the latest MoCA 2.5 standard, which is capable of delivering speeds up to 2.5 Gbps over coax. The Gigabit Ethernet port can connect to a gaming console or Ethernet switch in the home office. That's more than enough bandwidth for the most demanding entertainment/home office applications

Secure and Reliable

The HT-EM4 uses hardware DES and AES encryption to keep data safe from unauthorized access. Augment your customer's home's Wi-Fi network with the reliability of a wired connection wherever it is needed.

Sets up in Seconds

Simply connect the HT-EM4 adapter to any coaxial port in the home and it automatically establishes a MoCA link with another MoCA device. Then use the Gigabit Ethernet port to connect an HDTV, gaming console, PC, or any other Ethernet-enabled device.

Key Features

- MoCA 2.5 for speeds up to 2.5 Gbps
- Two coax F-type connectors and one Ethernet RJ-45 10/100/1000 Mbps connector
- Compact to discretely fit in any home theater (110mm W x 70mm H x 25mm D)
- Upgradable software over web-based GUI
- Intuitive LEDs clearly display device and network status
- Hardware DES and AES Encryption to keep your data safe from unauthorized access



Interfaces

- 2x RF F-Type 75Ω Female Connector
- 1x RJ-45 10/100/1000BASE-T Ethernet Port

MoCA 2.5 Reception/Transmitter-Modulations

- Compatible with MoCA 2.5, Bonded 2.0, 2.0, 1.1 & 1.0 standards
- Beacon Band: D1-D10
- Demodulation/ Modulation: BPSK, QPSK, 8QAM, 16QAM, 32QAM, 64QAM, 128QAM, 256QAM, 512QAM, 1024QAM
- PHY Data Rate:
 - 700 Mbps (Baseline Mode)
- Throughput:
 - 2.5Gbps MoCA to MoCA (Maximum of 5 Channels)
 - 500+ Mbps per MoCA Channel
 - 1Gbps MoCA to Ethernet (Full duplex)
- Frequency Band Range: 1125-1675MHz
- Channel Bandwidth:
 - 100MHz (Baseline Mode)
- Link Privacy:
 - 56-bit DES and 128-bit AES hardware encryptions for network security and password

Management

- Web-based GUI control, configuration and management
- Easy-to-read LEDs clearly display network status and activity.
- Supports TR-069 protocol

Mechanical

- LEDs: Four Multi-colored LEDs (Power, MoCA activity, LAN link, MoCA H/L speed)
- Factory Default Reset Button
- Dimensions: 70mm (H) x 110mm (W) x 25mm (D)
Net Weight: 110g +/- 10g

Electrical

- Input Power: 12VDC, 1A
- Power Adaptor: 100-240VAC, 50/60Hz
- Power Consumption: 5W (Max)
- Surge Protection
 - RF Input sustains at least 4KV
 - Ethernet RJ-45 sustains at least 4KV

Environmental

- Operating Temperature: 0°C (32°F) ~ 40°C (104°F)
- Operating Humidity: 10% ~ 90% (Non-condensing)
- Storage Temperature: -30°C (-22°F) ~ 70°C (158°F)

Regulatory Compliance

- RoHS
- FCC Part 15 Class B
- ICES-003 Issue 6, Class B
- UL 62368-1
- cUL 62368-1-14

