



MoCA 2.5 Coax to Ethernet Adapter

HTEM5



Maximize your network speeds! Supercharge your WiFi Mesh, router or any Ethernet device to transform your coax wiring into a 2.5 Gbps Ethernet backbone with Hitron's HTEM5 Coax to Ethernet Adapters! Get consistent, high-speed performance throughout your entire home.

Supercharge your Mesh WiFi

Unlock the true potential of your WiFi speeds with our HTEM5 2.5 Gbps Coax to Ethernet adapter. The HTEM5 leverages your existing coaxial wiring to instantly transform your coax wiring or coax outlets into a 2.5 Gigabit Ethernet backbone. Connect your WiFi Mesh system or WiFi router, and you've got multi-Gigabit speeds to all of your devices.

Secure and Reliable

The HTEM5 uses hardware DES and AES encryption to keep data safe from unauthorized access. Augment your home's Wi-Fi network with the reliability of a wired connection wherever it is needed.

Seamless Plug n' Play Set Up

So simple – just plug it in. No software to install. No configuration required. Coax to Ethernet Adapters automatically “see” each other to create an instant MoCA network as soon as they are plugged in.

Key Features

- MoCA 2.5 for speeds up to 2.5 Gbps
- One coax F-type connectors and one Ethernet RJ-45 1/2.5 Gbps 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
- Compatible with any WiFi Mesh or Router and practically any device with an Ethernet port

Interfaces

- 1x RF F-Type 75Ω Female Connector
- 1x RJ-45 1/2.5GBASE-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
- Throughput:
 - 2.5Gbps MoCA to MoCA (Maximum of 5 Channels)
 - 500+ Mbps per MoCA Channel
 - 2.5Gbps 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

