



# **MoCA 2.5 Ethernet adapter**

## **WF-803M**

### Product Datasheet

VERSION1.1

May, 2019

[www.gocoax.com](http://www.gocoax.com)



## ■ Overview

WF-803M is designed to extend network connectivity at home using MoCA 2.5 technology. MoCA® technology makes your home network better. It extends Internet all over your house using your existing coax TV cable. Home network products with MoCA instantly turn your existing coax TV cable into a powerful, easy to use network for Internet access, Wi-Fi® and entertainment or just about anything you want!

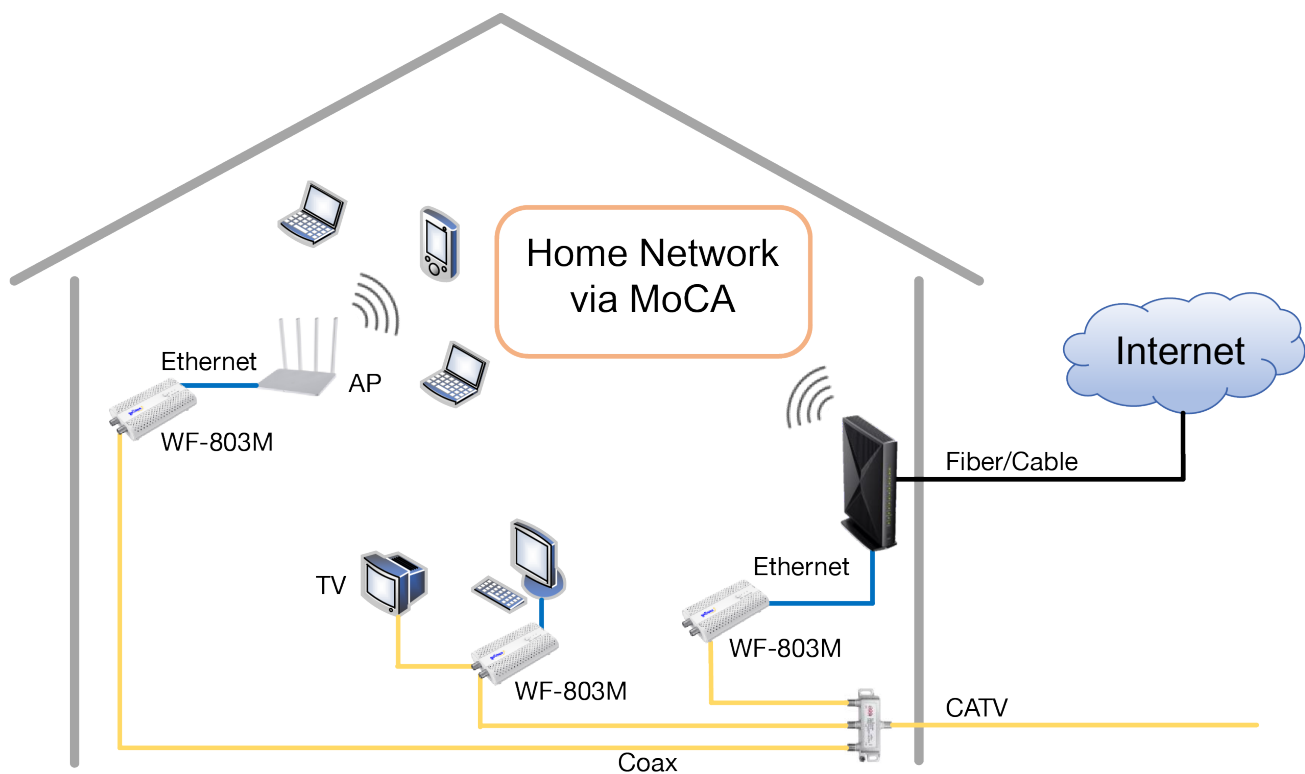
The bounded MoCA channels can provide 2.5Gbps real traffic throughput in your home. With MoCA enabled products, you can stream full HD/4K videos to your devices. You also can enjoy the high-speed online gaming, even VR games.

All the products are very easy to install, just connect the RF/Ethernet cables and power on, and place them to appropriate place, wall mounting or desktop mounting. You can complete all of these in few minutes.



## ■ Key Features

- Wall mounting or desk mounting
- MoCA 2.5 over Coax
- Up to 5 channels bounded
- Up to 16 nodes in same network
- Up to 2.5Gbps real traffic throughput
- 1 x MoCA in port for Coax
- 1 x TV/STB out RF port for TV/STB
- 1 x GbE RJ45 LAN
- 1 x Reset button
- 1 x MPS pairing button
- 3 x Status LEDs (Power/ MoCA/ LAN)



## ■ Specification

| Item                               | WF-803M                                                                                                         |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Dimension (W x D x H)              | 132mm × 70mm × 30mm                                                                                             |
| Weight                             | 100g                                                                                                            |
| Installation                       | Wall mounting or desk mounting                                                                                  |
| LEDs                               | Power/ MoCA/ LAN                                                                                                |
| Interface                          | 1 x MoCA in RF port<br>1 x TV/STB out RF port<br>1 x GbE RJ45 LAN<br>1 x Reset button<br>1 x MPS pairing button |
| Input Voltage                      | + 12V/ 0.5A                                                                                                     |
| Power consumption                  | 2.5 W                                                                                                           |
| <b>Environmental Specification</b> |                                                                                                                 |
| Temperature                        | Operation: -5°C ~ +45°C (23°F ~ 113 °F)<br>Storage: -20°C ~ +85°C (-4°F ~ 185 °F)                               |
| Operating Humidity                 | 5% ~ 95% (non-condensing)                                                                                       |
| Elevations                         | 86kPa ~ 106kPa altitude                                                                                         |
| Dustproof and Waterproof           | IP20                                                                                                            |
| Safety                             | UL2043 (Plenum rating)                                                                                          |
| Certification                      | FCC                                                                                                             |



| Item               | WF-803M                                                                                                                                                                                                                                            |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reliability</b> |                                                                                                                                                                                                                                                    |
| MTBF               | > 300,000 Hours<br>Telcordia SR-332, Reliability Prediction Procedures for Electronic Equipment, Issue 3, Method 1, Case 3, GB/GC (Ground Benign, Controlled) environment, 25°C ambient temperature. Steady state, not including software failure. |
| AFR                | AFR (Annualized Failure Rate) < 1.5% (in continuous operation)                                                                                                                                                                                     |
| <b>Chipset</b>     |                                                                                                                                                                                                                                                    |
| MoCA SoC           | MaxLinear MxL3710                                                                                                                                                                                                                                  |
| Flash              | 32M bit SPI flash                                                                                                                                                                                                                                  |
| <b>MoCA</b>        |                                                                                                                                                                                                                                                    |
| MoCA Standard      | MoCA 2.5                                                                                                                                                                                                                                           |
| Band               | D-Band(1125~1675MHz)                                                                                                                                                                                                                               |
| Bonding            | Bonded-channel supports                                                                                                                                                                                                                            |
| TX Power           | -1 ~ +7dBm, typical +7dBm (5 channels)                                                                                                                                                                                                             |



## ■ Contact Information

### **goCoax Inc.**

15902A Halliburton Rd #662

Hacienda Heights, CA 91745, USA

Email: [sales@gocoax.com](mailto:sales@gocoax.com)