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## HomeMesh™ MoCA + Wi-Fi extender WF-802MW Family Product Datasheet

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VERSION 5.0

February, 2018

*Partnership for the Next Generation Broadband CPE*

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

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## ■ Overview

WF-802MW product family is designed to extend network connectivity at home using MoCA 2.0 and 802.11ac Wi-Fi 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. The bounded MoCA channels can provide up to 1Gbps real traffic throughput in your home. You can stream full HD/4K videos to your devices. You also can enjoy the high speed online gaming, even VR games.

WF-802MW supports 802.11ac 2.4G/5G Wi-Fi access. It helps you to establish the high speed and stable wireless network in your home. You can access to internet with the phone, pad or laptop in any place.

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. You can complete all of these in few minutes.

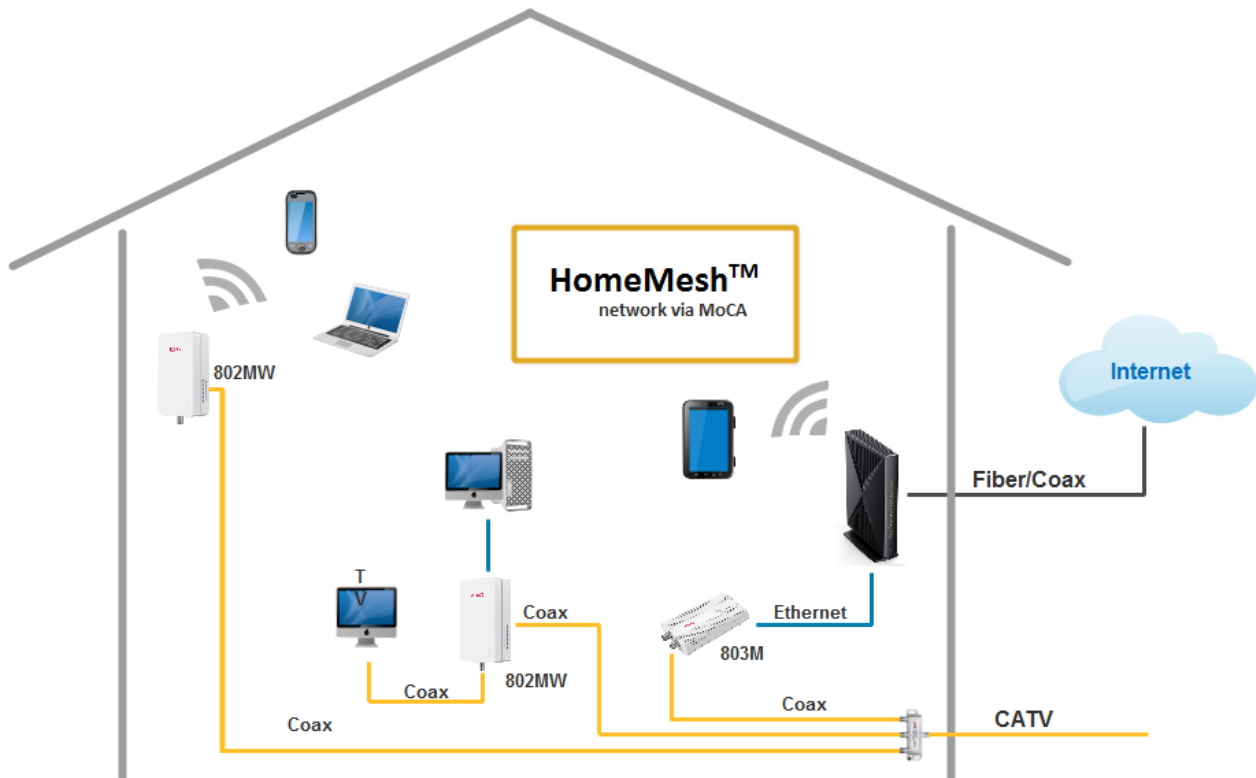


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## ■ Key Features

- Wall mounting
- MoCA2.0 over Coax
- Up to 2 channels bonded
- Up to 16 nodes in same network
- Up to 1Gbps real traffic throughput
- 2.4G 2x2 Wi-Fi (802.11b/g/n)
- 5G 2x2 Wi-Fi(802.11a/n/ac)
- 1 x MoCA in port at the back
- 1 x TV/STB out RF port at the bottom
- 1 x GE RJ45 LAN
- 1 x USB type C DC jack, support 5V DC in
- 1 x Push-button pairing for MoCA and Wi-Fi
- 3 x Status LEDs (MoCA/ LAN/ Wi-Fi)



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## ■ Specification

Item	WF-802MW
Dimension (W x D x H)	120mm x 65mm x 42mm
Weight	300g
Installation	Wall mounting
LEDs	MoCA/ LAN/ Wi-Fi
Interface	1 x MoCA in port at the back 1 x TV/STB out RF port at the bottom 1 x GE RJ45 LAN 1 x USB type C DC jack, support 5V DC in 1 x Push-button pairing for MoCA and Wi-Fi
Input Voltage	+5V/3A USB type C DC power jack
Power consumption	< 13.5 W
<b>Environmental Specification</b>	
Temperature	Operation: 0°C ~ +45°C Storage: -20°C ~ +85°C
Operating Humidity	5% ~ 95% (non-condensing)
Elevations	86kPa ~ 106kPa altitude
Dustproof and Waterproof	IP20
Safety	NRTL Listed 60950 (US & CA) CB with IEC/EN 60950-1 (Basic safety certificate for worldwide marketing) UL2043 (Plenum rating) FCC

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Item	WF-802MW
	CCC CE IEC60950-1
<b>Reliability</b>	
MTBF	> 300,000 Hours 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>	
Wi-Fi SoC	Dakota IPQ4018 A7@716.8MHz
MoCA SoC	MaxLinear MxL3707
Flash	32M bit SPI NOR flash
DDR	256MB DDR3L Ram
<b>Wi-Fi Interface</b>	
Operating frequency	2.4G radio:2.4000GHz~2.4835GHz
	5G radio:5.150~5.250,5.250~5.350,5.470~5.725, 5.725~5.850 GHz
Maximum Transmit power (per chain)	2.4G radio: 17dBm@MCS0, 16dBm@MCS15
	5G radio:18dBm@MCS0; 18dBm@MCS9
Data Rate	802.11b: 1, 2, 5.5, and 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54Mbps 802.11a: 6, 9, 12, 18, 24, 36, 48 and 54Mb/s 802.11n: MCS0~MCS15 802.11ac: MCS0 ~ MCS9
Receive Sensitivity	802.11g: -90dBm@6Mbps -74dBm@54Mbps

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<b>MoCA</b>																			
MoCA Standard	MoCA 2.0																		
Band	D-Band(1125~1675MHz)																		
Bonding	Bonded-channel supports																		
TX Power	D-Band: -1~+7dBm,typical +3dBm																		

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