PRODUCT MODEL NUMBER: TL-MC84-W DUAL BAND Wi-Fi ADAPTER

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PRODUCT OVERVIEW

TL-MC84-W Dual Band Wi-Fi Adapter: - In This adapter is based on MoCA$^®$ Home 2.5 technology. It can provide up to 2.5 Gbps actual data rates using the existing coaxial cabling in the home, supporting Wi-Fi connectivity to every room in the house without interference or performance degradation.

KEY FEATURES

➢ MoCA$^®$2.5 dual-band bundling technology, realizing 2.5Gbps throughput and indoor Wi-Fi coverage;

➢ Support 400～1675MHz frequency operation;

➢ Typical latency: 5ms;

➢ Support Wi-Fi 802.11b/g/n, 802.11ac, dual-band 2.4GHz and 5GHz, dual antenna 2*2 Wi-Fi;

➢ Support multiple SSID and fast switch.

➢ Fixed bandwidth limit: Support overall speed limit and port speed limit of the terminal.

➢ Supports up to 16 terminals depending on the level of attenuation.
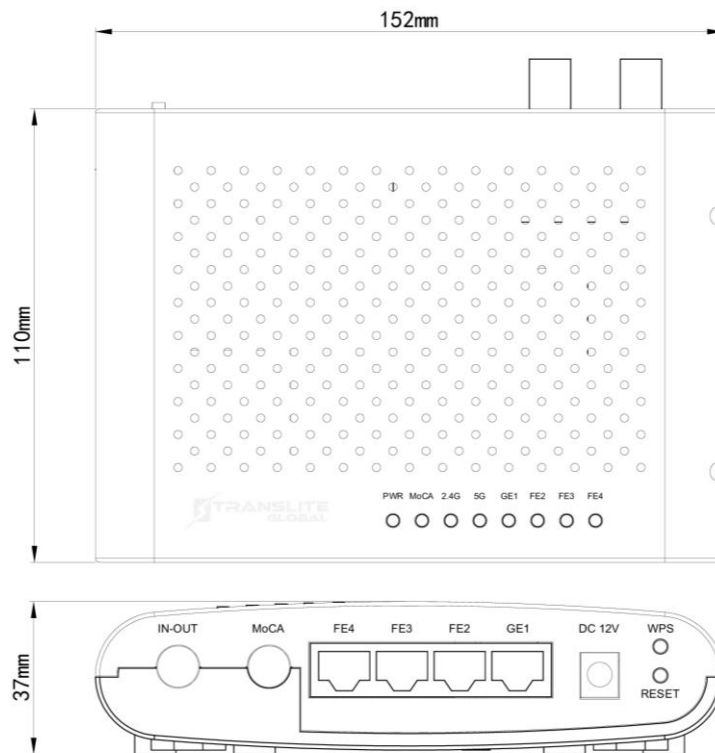
SPECIFICATIONS

Basic Information	
Technical Standard	MoCA$^®$2.5 Standard
MoCA$^®$ Chipset Manufacturer/Model	Maxlinear, MXL3710
Wi-Fi Chipset Manufacturer/Model	MTK, MT7620DA+MT7612E

Communication Mode	
Modulation	OFDM
Sub-carrier Number	512*5 (maximum)
Sub-carrier Bandwidth	195.3125KHz
Sub-carrier Modulation	1024QAM
MAC Layer Protocol	TDMA/TDD
RF Parameter	
MoCA port	1125 ~ 1675 MHz
IN-OUT port	5 ~ 1675 MHz
Channel RF Bandwidth	100MHz*3、100MHz*4、100MHz*5
Typical Transmitting Power	+ 2 dBm
Receiving Sensitivity	-70 dBm
Insertion Loss	< 2 dB
Delay	
Typical	3ms
Maximum	5ms
NMS	
Fast Configuration NMS	WEB
Wi-Fi Parameter	
Operating Frequency	2.4GHz & 5GHz
Wireless Channel	2.4GHz Channel:1,2,3,4,5,6,7,8,9,10,11,12,13, 5GHz Channel:36,40,44,48,52,56,60,64,100, 104,108,112,116,120,124,128,132,136,140,144,149,153,157,161,165
Protocol	2.4G Channel: 802.11 b/g/n 5G Channel: 802.11 a/n/ac , supports 802.11k/r
Maximum Wireless Rate	2.4G WiFi: 2×2（802.11n: 300Mbps） 5G WiFi: 2×2（802.11ac: 866Mbps）
Throughput	2.4G WiFi: 180Mbps 5G WiFi: 350Mbps
Interface	
RF Interface Mode	Connector: F type, Female; Impedance: 75 Ohm
RF Interface	1MoCA® input/output port, 1 RF input/output port (CATV)
Ethernet Interface	1*RJ45,1*10/100/1000 1000BASE-T & 3 *10/100BASE-T ports
Power & Consumption	

Power Supply	DC 12V/1A, External Power Adapter
Power Consumption	< 10W
Security	
Grounding	Grounding resistance: <5Ω
Static-Protection	F head, Contact-Discharge 2KV, Air-Discharge 4KV
Dimension & Weight	
Dimension	152*110*37 mm (L×W×H)
Net Weight	< 300g

MECHANICAL DESIGN