



## AC1200 Mbps WIRELESS ROUTER

### PRODUCT OVERVIEW

MWE824Z5 wifi5 full Gigabit dual-band router using MTK chip(MT7621DA) program is a 2.4G/5.8G 11Ac dual-band wireless router, supporting 1200Mbps (300Mbps+876Mbps), dual-band concurrent, dual-core intelligent scheduling, division of labor coordination, effective load reduction, WiFi 5 technology provides true gigabit speeds ,MU-MIMO allows an AP to send multiple frames to multiple clients at the same time over the same frequency spectrum; a generation of OFDM (Orthogonal Frequency Division Multiplexing) can improve the efficiency in high-density scenarios, while providing high-speed WiFi for multiple devices,the new generation of encryption security protocol WPA 2, can effectively improve security performance and prevent software from brute force cracking WiFi passwords. Built-in signal amplifier used both on 2.4GHz and 5GHz bands of MWE824Z5 to enhance the penetration capability and expand the WiFi coverage,IT , It contains MT7613 5G wifi chip. The wifi subsystem contains the 802.11a/n/ac radio, baseband and high throughput application. The MT7621DA integrates a dual-core MIPS1004Kc (880MHz), HNAT/HQoS/ Samba/ VPN accelerators, 4-port GbE switch, RGMII,. It has built-in 128Mbyte DDR. MWE824Z5 includes 7613E 11AC 5G chip, it is designed to support high data throughput over wifi.

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U.P: 201301

Manufacture by:  **e Hoome IoT**  
smart living



## PRODUCT SPECIFICATION

<b>Model</b>	<b>MWE824Z5</b>
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## HARDWARE SPECIFICATION

<b>Interface</b>	WAN Port:	1 x 10/100/1000 Mbps auto MDI/MDI-X RJ45 port
	LAN Port:	3 x 10/100/1000 Mbps auto MDI/MDI-X RJ45 port (LAN1~3)
<b>Antenna</b>	Gain	2x5dBi 2.4G external antenna
		2x5dBi 5G external antenna
<b>Button</b>	1 x Reset/WPS button	
<b>LED Indicators</b>	4 LED(GPIO Mode), Power,2.4G,5G,LAN	
<b>Chipset</b>	Main Chip - MT7621, 2.4G Chip - MT7603, 5G Chip - MT7613	
<b>Flash / DDR</b>	16M/128MB	
<b>Material</b>	Plastic	
<b>Dimensions (W x D x H)</b>	187*116*29 mm (W x D x H)	
<b>Working Environment</b>	Working temperature:-30~50°C, Working humidity: 10%-90%RH, Storage temperature:-40~70°C, Storage humidity: 5%-90%RH	
<b>Power Requirement</b>	12V DC, 1A	
<b>Power Button</b>	Support	

## WIRELESS INTERFACE SPECIFICATIONS

<b>Standard</b>	IEEE 802.11ac 5GHz IEEE 802.11a/n 5GHz IEEE 802.11b/g/n 2.4GHz
<b>Frequency Band</b>	Simultaneous 2.4GHz and 5GHz
<b>Modulation Type</b>	802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) 802.11a/g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11b: DSSS (DBPSK / DQPSK / CCK)

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# WIRELESS INTERFACE SPECIFICATIONS

<b>Data Rates</b>	2.4GHz up to 300Mbps 5GHz up to 867Mbps
<b>Channel</b>	2.4GHz FCC (America): 2.412~2.462GHz (11 Channels) ETSI (Europe): 2.412~2.472GHz (13 Channels)  5GHz 5150~5250MHz 5250~5350MHz 5470~5725MHz 5725~5825MHz *The actual channels in application will vary depending on the regulation in different regions and countries.
<b>Channel Width</b>	802.11ac: 20/40/80MHz 802.11n: 20/40MHz
<b>Max. RF Power / EIRP</b>	2.4GHz: < 30dBm 5GHz: < 30dBm
<b>Receive Sensitivity</b>	2.4GHz 11b (11Mbps): -79dBm 11g (54Mbps): -68dBm 11n (20M) mode: -67dBm 11n (40M) mode: -64dBm  5GHz 11a: -74dBm 11n (20M) mode: -70dBm 11n (40M) mode: -67dBm 11ac (20M) mode: -67dBm 11ac (40M) mode: -61dBm 11ac (80M) mode: -57dBm
<b>SSID</b>	2.4GHz: 1 Root SSID and 4 Guest SSID 5GHz: 1 Root SSID and 4 Guest SSID

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# SOFTWARE FEATURES

Work mode	Router/Bridge/repeate
Network Setting	STATIC/DHCP/PPPOE/VPN
IPV6 /IPV4	IPV6v4 dual stack Ipv6 only Ipv4 only
VPN	Support PPTP/L2TP/IPSEC Service Support PPTP/L2TP/IPSEC Client
DHCP Server	DHCP Server Client List Static Address allocation
System	Openwrt
Security Setting	Client Filter, Mac Filter, URL Filter, Security Level Port forwarding, DMZ Service, Upnp Service, ALG setting
DDNS	Support
System Log	Support
Web Browser	Phone web/PC web
IPTV	Support
Wireless security	WPA-PSK/WPA2 PSK/WPA3 SSID hiding, intelligent anti-scratch
Lan	Lan Setting
QOS	Support
Smart QOS	Support
WPS	Support
Parental Control	Support
Quick start guide	Support

## PACKING LIST

Wireless Gateway	1 No
Power Supply adapter	1 No
Ethernet cable	1 No

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