

Pioneer in **5G&WiFi6** CPE



**WiFi7 Wireless Router**

**BRAX FA1704**

**Product Introduction**

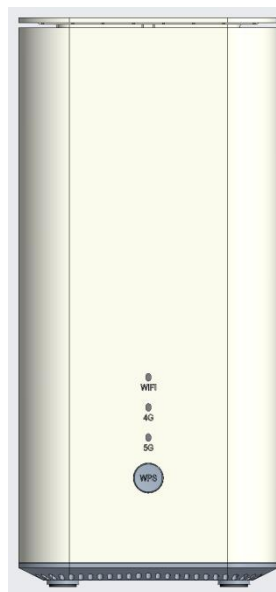
**MegaTower** 

Wuhan Da Ta Technologies Co.,Ltd

BRAX FA1704 is a high-performance 5G cellular communication router product launched by Wuhan Da Ta Technologies, providing users with high-speed, low latency and strong reliability 5G wireless network. The product converts 5G NR / LTE wireless data with Ethernet and WiFi 7 data, supports wired network and high-speed WiFi access downstream, and can easily connect wired or WiFi connected devices such as PC, laptop, tablet and smartphone to high-speed 5G network.

## Product Overview

Complied to 3GPP R16 standard, the BRAX FA1704 product supports both 5G NSA and SA mode, can cover most of the broadband application scenarios and provides flexible and high-speed data transmission services. Equipped with the latest generation of WiFi 7 chips, 2.5 Gigabit Ethernet, high gain antennas, the product can be flexibly used and fast deployed, fulfilling requirements of various network scenarios. The product mainly targets to small and medium-sized enterprises, shops along the street and home users, providing users with fast, convenient, high-speed network services.



## Product Highlights

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### High-speed Internet experience

- ✧ The product supports global mainstream frequency band, supports both SA/NSA network, and provides 5G ultra-fast Internet access.
- ✧ 5G, WiFi 7, Ethernet ports all reach the gigabit level, providing excellent access experience.

### Latest WiFi 7 standard, multi-device access without delay.

- ✧ Supports 4\*4 MIMO on all 2.4GHz, 5GHz and 6GHz triple bands, and the overall theoretical throughput up to 19000Mbps.
- ✧ Powered by OFDMA technology, the product is able to send data packets to several devices at the same time; with MU-MIMO technology, multi-devices can access to Internet concurrently without queuing.
- ✧ The latest Multi-Link Operation technology enables one STA to connect to CPE concurrently with multiple bands, which strongly enhances the throughput and reduces the latency.

### One-click Mesh networking to expand WiFi coverage

- ✧ Supports mesh networking, and can quickly build a mesh network with the corresponding wireless router to expand the coverage of WiFi network.
- ✧ The device is equipped with multiple independent FEM and high performance WiFi antennas to increase signal transmission power and receiving sensitivity.

### Combined access, convenient and fast

- ✧ Supports both 5G NR and Ethernet port access for upstream and multiple Gigabit Ethernet ports, WiFi7 access for downstream wired/wireless access combined traffic integrated. All requirements can be solved simultaneously.

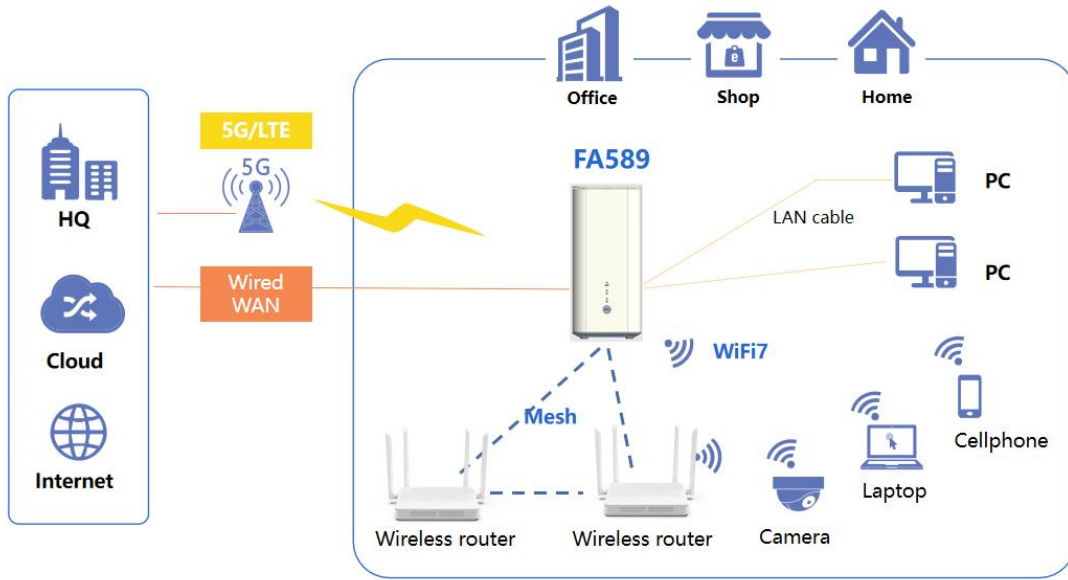
## Product Specification

Hardware Specification	
System Parameters	
<b>Main CPU Architecture</b>	MTK T830 4 core Cortex-A55 @2.2GHz
<b>Memory</b>	DRAM: 2GB; Flash: 4GB
<b>5G Chip</b>	MTK T830
Interface Parameters	
<b>5G NR</b>	Support SA&NSA network
<b>5G Antenna</b>	8 built-in antennas
<b>SIM Card</b>	1*Nano SIM
<b>WAN Port</b>	1* 2.5 GE port, 1000M/2500M adaptive, type: RJ45 (WAN/LAN dual purpose port)
<b>LAN Port</b>	1* 2.5 GE port, 1000M/2500M adaptive, type: RJ45
<b>WiFi Protocol</b>	2.4 GHz IEEE 802.11 b/g/n/ax/be 4T4R 5 GHz IEEE 802.11 a/n/ac/ax/be 4T4R 6 GHz IEEE 802.11 ax/be 4T4R
<b>WiFi Theoretic Throughput</b>	Overall theoretic WiFi throughput: 19000Mbps 2.4GHz: 1376Mbps (4ss 40MHz) 5GHz: 5765Mbps (4ss 160MHz) 6GHz: 11530Mbps (4ss 320MHz)
<b>WiFi Antenna</b>	Built-in omnidirectional 2.4GHz 4x4 MIMO antenna Built-in omnidirectional 5GHz 4x4 MIMO antenna Built-in omnidirectional 6GHz 4x4 MIMO antenna
<b>USB port</b>	1 * USB3.0 Type-C
<b>GNSS</b>	1 * Built-in GNSS (GPS/GLONASS/BDS/Galileo/QZSS)
Physical Parameters	
<b>Dimension</b>	103mm*103mm*225.5mm
<b>Material</b>	ABS Shell
<b>Colour</b>	White
<b>Weight</b>	893g
<b>Installation</b>	Tabletop
<b>Button</b>	RESET; WPS

<b>Indicator</b>	1 * WIFI, 1 * 5G, 1 * 4G
<b>Power Supply</b>	
<b>Power Supply</b>	Power adaptor
<b>Output Voltage</b>	12V
<b>Output Current</b>	4A
<b>Environment Parameters</b>	
<b>Working Temperature</b>	-20°C ~ +45°C
<b>Storage Temperature</b>	-20°C ~ +70°C
<b>Working Humidity</b>	5% ~ 95% (Non condensing)
<b>Storage Humidity</b>	5% ~ 95% (Non condensing)

<b>Software Specifications</b>	
<b>5G Access</b>	SA&NSA network, 5G/LTE, automatic network searching , manual network setting, APN, traffic statistics, SMS
<b>WAN Access</b>	Routing mode, Bridge mode
<b>LAN Access</b>	VLAN Management, MAC Management
<b>WiFi Access</b>	Support 802.11 a/b/g/n/ac/ax/be standard, Channel Adaptive, MSSID , WPS: PBC/PIN mode, WPA/WPA2/WPA3 security encryption, Mesh Networking, WMM
<b>IP Application</b>	IPv4/IPv6, TCP, UDP, DHCP, OSPF, HTTP, HTTPS, DNS, ARP, QOS, Telnet, SSH etc
<b>Routing</b>	Static routing V4/V6, Dynamic routing RIP
<b>VPN Protocol</b>	PPTP, L2TP, IPSEC, GRE, OpenVPN
<b>Security</b>	SPI, ACL, DMZ, Port forwarding, MAC binding,, DoS & DDoS attack defense,, URL filtering
<b>Device Management</b>	TR069, WEB, SMS

## Networking



## Product Views

