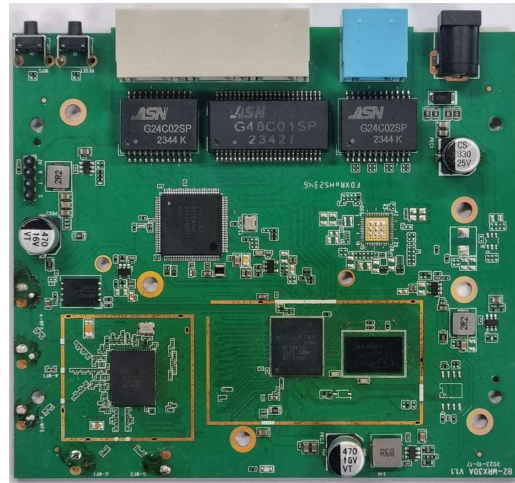


BRAX3000M-2.5G 3000Mbps 11AX 2.5G Wi-Fi 6 Router



Product Overview

BR3000G Wireless broadband router integrates firewall, router, wired/wireless network connection functions. BR3000G Wireless broadband router supports protocols such as 802.11ax, 802.11ac Wave2, 802.11ac Wave1 and 802.11n. Using hardware independent dual RF design, the whole machine can provide a maximum access rate of 2.975 Gbps, high-speed wireless makes performance no longer a bottleneck. With multiple encryption mechanism, it can ensure the security of data in the wireless network transmission, and combined with the powerful firewall characteristics of the router, it can provide stronger security protection for wireless communication and effectively prevent virus invasion. A wide range of wireless coverage space provides a free and easy network environment. BR3000G Support multiple BSSID functions, support QOS-802.11e WMM function, support WDS function, expand the wireless network coverage. BR3000G Wireless broadband router has standard AP functions, and fully compatible with other manufacturers of wireless network equipment, a wide range of applications. It has complete functions, superior performance, simple setting, is the best choice for wireless Internet access.

Product characteristics

- Compliance with 802.11ax, 802.11ac Wave2, 802.11ac Wave1 and 802.11n.
- Support CSMA/CA,CSMA/CD,TCP/IP, PPPoE, DHCP, ICMP, NAT protocols.
- Provide 1*WAN port, 3*LAN ports 100/1000M adaptation, Support ports automatic flip.
- Wireless access device, wired router combined for one.
- Provides two working modes: bridging mode and routing mode.
- Support Quality of Service(QoS)-802.11e, WMM.
- Supports remote and Web Management configuration interface.
- Supports NAT/NAPT IP sharing,WAN support protocol: PPPoE/Static IP/DHCP.
- Provides stable transmission.
- Provides stable up to 3000Mbps transmission.
- Supports virtual server, DMZ host.
- Supports 64/128-bit WEP and WPA-PSK, The latest wireless security standard such as WPA 2-PSK.
- Supports UPnP function, DDNS function.
- Support 5 DBi fixed high gain omnidirectional antenna.
- Support IP filtering, port filtering and MAC address filtering.
- Suilt-in DHCP server, built-in firewall, Effectively prevent DoS attacks.
- Provides system security log and traffic statistics function.
- Provides Web management page reset, Support for online software upgrade of.
- External power adapter.

Product specifications

Hardware system

Product model		BRAX3000M
Interface	WAN	1*100/1000M Adaptive RJ 45 port
	LAN	3*100/1000M Adaptive RJ 45 ports
Wireless	Frequency range	Radio1:802.11b/g/h/ax, 2.4GHz~2.83GHz
		Radio2:802.11a/n/ac/ax, 5.150GHz~5.350GHz, HT80/HT160
		802.11a/n/ac, 5.470~5.725GHz, 5.725GHz~5.850GHz ,HT80
		Note: Working frequency band varies according to different countries
Parameter	Transmission speed	Radio1: 2.4GHz, 0.575Gbps
		Radio2:5GHz,2.4Gbps
		Maximum access rate: 2.4Ghz+5GHz,2.975Gbps
	Channels	Supports Auto/Manual
	Frequency-spreading technology	DSSS (direct sequence spread frequency)
	Modulation type	OFDM: BPSK@6/9Mbps,QPSK@12/18Mbps,16-QAM@24Mbps,64-QAM@48/54Mbps
		DSSS: DBPSK@1Mbps,DQPSK@2Mbps,andCCK@5.5/11Mbps
		MI fMO-OFDM: BPSK,QPSK,16QAM 、 64QAM 、 256QAM d1024QAM OFDMA
	Receiving Sensitivity	11b: -96dBm (1Mbps) ,-93dBm (5Mbps) ,-89dBm (11Mbps)
		11a/g: -91dBm (6Mbps) ,-85dBm (24Mbps) ,-80dBm (36Mbps) ,-74dBm (54Mbps)
		11n: -90dBm@MCS0,-70dBm@MCS7,-89dBm@MCS8,-68dBm@MCS15
		11ac: HT20: -88dBm (MCS0) ,-63dBm (MCS9)
		11ac: HT40: -85dBm (MCS0) ,-60dBm (MCS9)
		11ac: HT80: -82dBm (MCS0) ,-57dBm (MCS9)
		11ax: HE80: -82dBm (MCS0) ,-57dBm (MCS9) ,-52dBm (MCS11)
		11ax: 160MHz: -77dBm (MCS0) ,-50dBm (MCS11)
	Transmission distance	Up to 100 m indoors; up to 300 m outdoors (depending by environment)
	RF power	20dBm(max)
	Antenna	The 5 * 5 dBi fixed high-gain omnidirectional antenna
	Network medium	10 BASE-T: Cat 3,4,5 Unshielded twisted pair (250m)
		100 BASE-TX: Unshielded twisted pair of Cat 5 and above (100m)
		1000 BASE-TX: Unshielded twisted pair of Cat 5e and above (100m)
LED	WLAN	Link / Act (Connected / Working)
	WAN	Link / Act (Connected / Working)
indicate	LAN	Link / Act (Connected / Working)
	Button	1*WPS, 1* Reset
Dimensions (LWH)		253.5mm*157.2mm*46.4mm
Environment		Operating temperature: 0°C ~40°C; working humidity is 10%~90% condensation-free
		Storage temperature: -40°C ~70°C; storage humidity 5%~90% condensation
Power Supply		Power adapter output: DC 12V/1.5A

Software specifications

WLAN	Support for SSID hiding Support for each SSID can be configured with a separate authentication mode, encryption mechanism, and VLAN attributes Support for edge intelligent awareness (RIPT) Support the terminal intelligent identification technology Supports intelligent load balancing based on terminal number or traffic rate User Number Limits: Support the SSID-based user number limit Support for RF card-based user number limit Bandwidth limit: Support the speed limit based on STA / SSID / AP
Safety	Support PSK, Web and other certification methods Data encryption: support for WPA (TKIP), WPA-PSK, WPA 2 (AES), WPA 3, WEP (64 / 128-bit) Data frame filtering: support whitelist, static blacklist, dynamic blacklist Support user isolation Support for illegal AP detection and countermeasures Support for dynamic ACL distribution Support for the RADIUS protocol Support for the CPU protection policy (CPP) Support for the Basic Network Protection Policy (NFPP)
Routing exchange function	IPv4 feature: Support for static IPv4 addresses and DHCP for obtaining IPv4 addresses Support for the IPv6 SAVI Support for multicast to unicast Support for the PPPoE client Support for the IPsec VPN Support for FTP ALG / DNS ALG
Management and maintenance	Support through Telnet, TFTP management Support for Web management Wireless marketing: Support for WM C/MCP Support for fault detection and alarm Support information statistics and log

Order information

Product	BRAX3000M-2.5G	BRAX3000M
WAN port type	1*2.5-Gbps RJ45 port	1 *1000Mbps RJ45 port
LAN mouth rate	3*1000Mbps RJ45 ports	3*1000Mbps RJ45 ports
Main chip	MT7981BA+MT7976CN+MT7531+GPY211	MT7981BA+MT7976CN+MT7531
Flash	32MB	32MB
Memory	DDR3 256MB	DDR3 256MB
Antenna	5x 5dBi (external)	5x 5dBi (external)