

BR1200G-PLUS1 1200Mbps 11AC Wi-Fi Router



System Overview

BR1200G-PLUS1 wireless broadband router integrates firewall, router, wired / wireless network connection functions. The BR1200G-PLUS1 wireless broadband router supports protocols such as 802.11ac Wave2, 802.11ac Wave1 and 802.11n. Using hardware independent dual RF design, the whole machine can provide the maximum access rate of 1200Mbps, 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.

BR1200G-PLUS1 supports multiple BSSID functions, QOS-802.11e WMM functions, and WDS functions, and expanded wireless network coverage. The BR1200G-PLUS1 wireless broadband router has standard AP functions, and is fully compatible with other manufacturers wireless network equipment, with a wide range of applications. It has complete functions, superior performance, simple setting, is the best choice for wireless Internet access.

Product features

- Compliance with 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.
- 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.
- Built-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

Project	Description
The main chip	MT7621AT/A+MT7613BE+MT7603EN
Flash	16MB
Memory	DDR3 64MB

Product Specifications

Product model		BR1200G-PLUS1
Port	WAN	1*100/1000M Adaptive RJ45 port
	LAN	3*100/1000M Adaptive RJ45 ports
Wireless	Frequency range	Radio1:802.11b/g/h 2.4GHz~2.83GHz
		Radio2:802.11a/n/ac,5.150GHz~5.350GHz,HT80
		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,300Mbps
		Radio2:5GHz,867Mbps
		Maximum access rate:2.4Ghz+5GHz,1200Mbps
	Channel	Supports Auto/Manual
	Frequency-spreading technology	DSSS (direct sequence frequency)
	Data modulation	OFDM:BPSK@6/9Mbps,QPSK@12/18Mbps,16-QAM@24Mbps, 64-QAM@48/54Mbps
		<u>DSSS : DBPSK@1Mbps,DQPSK@2Mbps,andCCK@5.5/11Mbps</u> MI fMO-OFDM:BPSK,QPSK,16QAM,64QAM,256QAM and1024QAM 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)
	Transmission distance	Maximum distance of 100 meters indoor;maximum distance of 300 meters outdoor (depending by environment)
	RF power	20dBm(max)
	Antenna	4 * 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
Service 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
External power supply		Power adapter output:DC12V/1A

Software specifications

WLAN	● Support for SSID hiding. ● Support for each SSID can be configured with a separate authentication mode, encryption mechanism, and VLAN attribute. ● 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 SSID based user 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 WMC/MCP. ● Support for fault detection and alarm. ● Support information statistics and log.

Order informatio

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