



Specification

Model: WG259

Description: Wireless Router

Version	Date	History versions	Author
V1.0	2019-7-15	First Version	Mr.Hu



Pictures





1.Simply Description:

ZBT-WG259 is used new MT7621 wireless solution, performs better and more functions. Stable wireless performance, stronger scalability , the Max transmission rate could be 1200Mbps (2.4G 300Mbps, 5.8G will be 880M(Max). Provide 1*USB 3.0 interface, 1*Micro slot. It adopts anti-drop 4PIN interface,DC power supply, and supports power supply (9 -36)V voltage.

2.Product Feature:

- ◆ Support 80.11ac / 802.11a / 802.11n / 802.11g / 802.11b network protocol, the max transmission rate could be 1200Mbps(2.4G 300Mbps+ 5G 867Mbps)
- ◆ Support 802.113 / 802.11u protocol, 5* 10/100/1000Mbps Auto MDI/MDIX
- ◆ 1 USB 2.0 data interface
- ◆ 1 Micro TF Card Slot
- ◆ Many kinds of way to protect your data transmission;

3.Specifications:

Hardware	
Main Chipset	MT7621A (880MHz)
2.4G Chip set	MT7603EN
5.8G Chip set	MT7612EN
RAM	DDR3 256MB (MAX DDR2 512MB)
SPI FLASH	16MB (MAX 32MB)
Protocol	IEEE 802.11n,IEEE 802.11g,IEEE 802.11b,IEEE802.11ac,IEEE802.11a IEEE 802.3,IEEE 802.3u
RT Power	11n: 17dBm±1dBm 11g: 17dBm±1dBm 11b: 19dBm±1dBm 11a: 16dBm±1dBm 11ac: 16dBm±1dBm
Reception Sensitivity	11N HT20 MCS7: -72dBm 11N HT40 MCS7: -69dBm



	11G 54Mbps: -74dBm 11B 11Mbps: -86dBm 11A 54Mbps: -73dBm 11AC VHT20 MCS8: -66dBm
Work Channel	2.4GHz choose : 1-13 5.8GHz choose : 149,153,157,161,165
Wireless Rate	Max 1200Mbps
Work Frequency	2.4GHz, 5.8GHz
Antenna	2*2.4Ghz Omni Directional 5dBi antenna;2*5.8Ghz Omni Directional 5dBi antenna
Interface	1 *USB 3.0 port 1 *Micro TF card slot 1*4PIN DC interface 1 *10/100/1000M WAN port (Auto MDI/MDIX) 3 *10/100/1000M LAN port (Auto MDI/MDIX)
LED	Power/2.4G/5.8G/SATA/SYS/WAN/LAN1/LNA2/LNA3
Button	Reset Button
Max Power consumption	< 12W
Dimension (L*W*H)	164*137*35MM
Software	
WAN Type	PPPoE、 Dynamic IP、 Static IP
Work Mode	Router;
DHCP	Server, Client, DHCP Client List, Address Reservation
Port Forwarding	Virtual Server, Port Triggering, UPnP, DMZ
Firewall Security	Dos, SPI Firewall IP Address Filter/MAC Address Filter/ Domain Filter IP and MAC Address Binding
DDNS	Support
VPN Pass-Through	PPTP, L2TP, IPSec (ESP Head)
Band Ctrl	Support
Static Router	Support
System Log	Support
Other Function	Mac clone NTP Synchronize Web firmware upgrade



Others

Work Environmen ts	Operating Temperature: 0°C ~ 40°C; Storage Temperature: -40°C ~ 70°C; Operating Humidity: 10%~90% non-condensing Storage Humidity: 10%~90% non-condensing
Adapter	DC 12V 2A

FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.