Model: ZBT-WG1602-H

Description: Outdoor Dual Sim Card 4G Router

Product Pictures

Simply description:
- Adopt MT7621 chipset, frequency up to 880MHZ, CPU is equipped with a standard radiator to ensure the stable operation of the system
- Dual 4G modules and dual SIM card slots to support dual sim flow bonding and load balance function.Clients can be free choose bonding or load balance function.
- Support IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, wireless standard, wireless transmission rate up to 1200Mbps
- WIFI uses 2.4G and 5.8G dual frequency antennas
- Support IEEE 802.3/3u/ab standard, 1WAN+4LAN 10/100/1000M adaptive network port, support automatic flip (Auto MDI/MDIX)
- Support USB2.0, TF card (this interface can be added or canceled according to customer needs)
- Support multiple Internet access methods, PPPoE, dynamic IP, static IP
- Support WEP, WPA, WPA2 and other security encryption modes
- Built-in dual MINI-PCIE slot

Hardware introduction:
WG1602-H used MT7621 chipset,MIPS dual-core CPU, the main frequency is up to 880MHZ. Equipped with large-capacity DDR3 RAM and high-speed SPI Flash to improve system performance. Provide five 1000M adaptive Ethernet interfaces. Provide dual-band WIFI,2.4G 300Mbps, plus 5.8G 867Mbps collectively referred to as 1200Mbps wireless network, independent WIFI chip standard shielding cover and thermally conductive silicone, enhance WIFI anti-interference ability, and improve chip heat dissipation. Simple and clear LED indicator, customizable USB2.0 interface, TF card interface. Meet the

needs of various routing applications, with high cost performance.

Wireless introduction:
Compliant with IEEE802.11n/g/b/a/ac wireless network protocol,2.4G WIFI supports 40MHz bandwidth, adopting 2x2 MIMO (Multiple Input Multiple Output) architecture,5.8G WIFI supports 80MHz bandwidth. The dual-band concurrent wireless transmission rate up to 1200M, and the standard 5dbi high-gain omnidirectional antenna is used. In an open environment, the wireless signal coverage radius is greater than 50 meters, and the number of wireless belts exceeds 50.

Software introduction:
Adopting a mature and stable SDK system, it provides an intuitive and easy-to-use setting interface; integrates multiple network application functions.

Customizable:
In order to meet the "routing enthusiasts" and some "special industry" applications, WG1602-H supports "one-click webpage brush mode", which can be easily implemented.

Hardware	
Hardware	MT7621A dual-core 880MHZ DDR3 RAM/256MB (Max support 512MB) SPI Flash/16MB　(Max support 32MB)
Protocol	IEEE802.11n/g/b/a/ac　IEEE802.3/802.3u/802.3ab
Wireless speed	Dual frequency up to 1200Mbps
Work frequency	2.4GHz&5.8GHz
Output Power	11n：16dBm±1dBm 11g: 16dBm±1dBm 11b: 18dBm±1dBm 11a: 15dBm±1dBm 11ac: 14dBm±1dBm
Receiving sensitivity	11N HT20 MCS7: -70dBm 11N HT40 MCS7: -68dBm 11G 54Mbps: -72dBm 11B 11Mbps: -85dBm 11A 54Mbps: -72dBm 11AC VHT20 MCS8: -65dBm

Antennas	2pcs 5dbi high-gain dual-band antennas; 4pcs 5dbi high-gain 4G antennas
Interface	1pcs 10/100/1000M WAN port Auto MDI/MDIX）； 4pcs 10/100/1000M LAN ports (Auto MDI/MDIX）； 1 DC slot 2pcs SIM card slot 2pcs Built-in PCIE slot 1 USB 2.0 interface 1 TF card interface
LED	Power,2.4G,5.8G, PCIE 4G signal 1, 4G signal 2,
Button	1*Reset button
Power supply	DC 12V/2A
Max power consumption	≤20W
Size（L*W*H）	165MM * 235MM * 23MM (case size)
Color	Neutral Silver,Black / white can be customized
Accessories and package	Power adapter 12V / 2A * 1PCS Cat5 cable * 1PCS Product Manual * 1PCS

Firmware	
Factory default setting	IP address:192.168.1.1 password:admin
WAN Type	PPPoE,PPPoE,Dynamic IP, Static IP
Work mode	ROUTER (can be customized to increase AP mode)
4G	Support (support 4G module model：EC20,EC25，Can be customized to add other models）
DHCP server	Server, Client, DHCP Client List
Virtual Server	Port Forwarding,DMZ host
Supportable system	Original SDK, openwrt
Security settings	Wireless encryption, support WEP, WPA, WPA2 and other security encryption modes
DDNS	supported
VPN	supported
WEB theme switch	support
Bandwidth control	not be supported
Static Router	support
System log	support
Other function	NTP Synchronize Web firmware upgrade…
Work Environments	Operating Temperature:0℃ ~ 40℃; Storage Temperature:-40℃~ 70℃; Operating Humidity:10%~90% non-condensing Storage Humidity:5%~90%RH non-condensing