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Huasifei WS1208V2 WiFi Router User Manual

Huasifei WS1208V2 WiFi Router

Product Information

Specifications

- Hardware: WS1208V2
- Wireless Solution: MMT7621A
- Clock Frequency: Up to 880MHz
- Ethernet Ports: 5 Gigabit auto MDI/MDIX
- USB Port: 1 x USB 2.0
- Expansion Slots: 1 x PCI-E, 1 x M.2, 1 x Micro SD card
- Wireless Protocol: IEEE802.11AC/N/G/B/A
- Maximum Wireless Rate: Up to 1200Mbps

Hardware Specifications

- Processor: MT7621A+MT7612+MT7603 Dual Core 880MHz
- Memory: DDR3 256MB
- SPI FLASH: 16MB
- Protocol Standards: IEEE802.11n/g/b/a/ac
- Wireless Rate: Dual-band concurrent up to 1200Mbps
- Operating Band Output Power: 2.4GHz, 5.8GHz
- Receiving Sensitivity:
    - 11N HT20 MCS7: -72dBm
    - 11N HT40 MCS7: -69dBm
    - 11G 54Mbps: -74dBm
    - 11B 11Mbps: -86dBm

- 11A 54Mbps: -73dBm
- 11AC VHT20 MCS8: -66dBm
- Antenna: High gain omni-directional WiFi antennas
- Interface:
  - 1 x 10/100M/1000M WAN port with automatic MDI/MDIX with LED
  - 4 x 10/100M/1000M LAN ports, auto MDI/MDIX with LED
  - 1 x USB 2.0 port
  - 1 x PCI-E
  - 1 x M.2
  - 1 x SD card
- LED: Power/Sys/2.4G/5.8G/USB
- Button: 1 Reset button
- Power Adapter: DC 12/3000mA
- Maximum Power Consumption: <24W
- Color Scheme: Black

Software Specifications

- IP Address: 192.168.1.1
- Factory Default Settings: User/password: root/admin
- WAN Access Mode: PPPoE, dynamic IP, static IP
- Operating Mode: ROUTER (can be customized to add AP mode)
- DHCP Server: Virtual Server, DHCP servers, Client lists, Static address assignment
- Port Forwarding
- DMZ Hosting
- Supportable System: Original SDK, OpenWrt
- Wireless Encryption: Support WEP, WPA, WPA2 and other security encryption modes
- DDNS: Support
- VPN: Support
- Web Theme Switching: Support
- Bandwidth Control: Support
- Static Routing: Support
- System Log: Support
- Configuration File Import and Export
- Other Useful Functions: Web software upgrade

Other Specifications

- Working Environment: This equipment must be installed and operated in accordance with provided instructions and theantenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure.

Product Usage Instructions

Installation

To install the WiFi router, follow these steps:

1. Choose a suitable location for the router, ensuring it is within range of your devices.
2. Connect the WAN port of the router to your modem using an Ethernet cable.
3. Connect your devices to the LAN ports of the router using Ethernet cables.
4. Plug in the power adapter to the router and connect it to a power source.
5. The router will power on and the LED lights will indicate its status.

Configuration

To configure the WiFi router, follow these steps:

1. Open a web browser on your device and enter the IP address `192.168.1.1` in the address bar.
2. Enter the username and password (default: root/admin) to log in to the router's admin panel.
3. Once logged in, you can customize various settings such as wireless encryption, DHCP server, port forwarding, and more.
4. Make sure to save your changes after configuring the desired settings.

Usage

To use the WiFi router, follow these steps:

1. Ensure that your devices are connected to the router either via Ethernet or wirelessly.
2. If connecting wirelessly, search for available WiFi networks on your device and select the network name (SSID) of your router.
3. Enter the network password (if applicable) to connect to the WiFi network.
4. Your devices should now be connected to the internet through the WiFi router.

FAQ

Q: What is the default IP address of the WiFi router?

A: The default IP address is 192.168.1.1.

Q: What is the default username and password for the admin panel?

A: The default username is root and the default password is admin.

Q: How many LAN ports does the router have?

A: The router has 4 LAN ports for connecting your devices.

Q: What is the maximum wireless rate supported by the router?

A: The router supports a maximum wireless rate of up to 1200Mbps.

Q: Can I upgrade the router's software?

A: Yes, you can upgrade the router's software through the web interface.

Brief description

Hardware.
WS1208V2 uses the latest MMT7621A wireless solution with clock frequency up to 880MHZ, providing 5 Gigabit auto MDI/MDIX Ethernet ports, 1 x USB 2.0 port, 1 x PCI-E, 1 x M.2, 1 x Micro SD card.

Wireless.
Support IEEE802.11AC/N/G/B/A wireless protocol, maximum wireless rate up to 1200Mbps

WS1208V2	Hardware Specifications	
Hardware Specifications	MT7621A+MT7612+MT7603 Dual Core 880MHZ DDR3 memory 256MB SPI FLASH 16MB
Protocol Standards	IEEE802.11n/g/b/a/ac
Wireless Rate	Dual-band concurrent up to 1200Mbps
Operating band	2.4GHz 5.8GHz
Output Power	11n 17dBm±1dBm 11g: 17dBm±1dBm 11b: 19dBm±1dBm 11a: 19dBm±1dBm 11ac: 18dBm±1dBm
Receiving sensitivity	11N HT20 MCS7: -72dBm 11N HT40 MCS7: -69dBm 11G 54Mbps: -74dBm 11B 11Mbps: -86dBm 11A 54Mbps: -73dBm 11AC VHT20 MCS8: -66dBm
Antenna	high gain omni-directional wifi antennas,
Interface	1*10/100M/1000M WAN port with automatic MDI/MDIX with LED 4*10/100M/1000M LAN ports, auto MDI/MDIX with LED 1*USB 2.0 port 1*PCI-E 1*M.2 1*SD card
LED	power/sys/2.4G/5.8G/USB
Button	1 Reset button
Power adapter	DC 12/3000mA
Maximum power consumption	< 24W
Color scheme	Black
Accessories and Packaging	Egg separator paper tray 32*21*6cm *1PCS Whole box: 43.1*28.5*34.8 10PCS Power adapter 12V/2A *1PCS Super Category 5 network cable *1PCS

WS1208V2	Software Specifications	
Factory default settings	IP address:192.168.1.1 User/password:root/admin
WAN access mode	PPPoE, dynamic IP, static IP
Operating Mode	ROUTER (can be customized to add AP mode);
DHCP server	DHCP servers. Client lists. Static address assignment.
Virtual Server	Port forwarding. DMZ hosting.
Supportable system	Original SDK, openwrt
Security Settings	Wireless encryption, support WEP, WPA, WPA2 and other security encryption modes
DDNS	Support
VPN	Support
WEB Theme Switching	Support
Bandwidth Control	Support
Static Routing	Support
System log	Support
Other useful functions	Configuration file import and export Web software upgrade …
WS1208V2	Other specifications	
Working Environment	Operating temperature: 0°C to 40°C. Storage temperature: -40°C to 70°C. Operating humidity: 10% to 90%RH non-condensing. Storage humidity: 5% to 90%RH non-condensing.

FCC Statement

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

FCC Radiation Exposure Statement
This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure .

Documents / Resources

Huasifei WS1208V2 WiFi Router [pdf] User Manual
WS1208V2 WiFi Router, WS1208V2, WiFi Router, Router

References

- **User Manual**