

# WiFi Router



## 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<br>DDR3 memory 256MB<br>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<br>11g: 17dBm±1dBm<br>11b: 19dBm±1dBm<br>11a: 19dBm±1dBm<br>11ac: 18dBm±1dBm                                                                      |
| Receiving sensitivity              | 11N HT20 MCS7: -72dBm<br>11N HT40 MCS7: -69dBm<br>11G 54Mbps: -74dBm<br>11B 11Mbps: -86dBm<br>11A 54Mbps: -73dBm<br>11AC VHT20 MCS8: -66dBm                       |
| Antenna                            | high gain omni-directional wifi antennas,                                                                                                                         |
| Interface                          | 1*10/100M/1000M WAN port with automatic MDI/MDIX with LED<br>4*10/100M/1000M LAN ports, auto MDI/MDIX with LED<br>1*USB 2.0 port<br>1*PCI-E<br>1*M.2<br>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<br>Whole box: 43.1*28.5*34.8 10PCS<br>Power adapter 12V/2A *1PCS<br>Super Category 5 network cable *1PCS                 |

| WS1208V2   Software Specifications |                                                                                                                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Factory default settings           | IP address:192.168.1.1<br>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.<br>Client lists.<br>Static address assignment.                                                                                                                    |
| Virtual Server                     | Port forwarding.<br>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<br>Web software upgrade<br>...                                                                                                             |
| WS1208V2   Other specifications    |                                                                                                                                                                                 |
| Working Environment                | Operating temperature: 0℃ to 40℃.<br>Storage temperature: -40° C to 70° C.<br>Operating humidity: 10% to 90%RH non-condensing.<br>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. Caution Any 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 .

