

Mode: ZBT-WE2416

Description: 4G Wi-Fi Router

Version: V1.0

| Version | Date      | History versions | Author |
|---------|-----------|------------------|--------|
| V1.0    | 2019-5-14 | First Version    | Mr.Hu  |
|         |           |                  |        |
|         |           |                  |        |

## Reference Picture



## Simply description:

WE2416 uses the latest Qualcomm QCA9531 chipset wireless solution, with stable performance and rich functions. It can bring more user experience. 2.4GHz can be up to 300Mbps, provide 1\*USB 2.0 port, 1\*SIM card slot to support 3G/4G function after install 3G/4G PCIE module inside of router. It is provided 3G/4G signal strength LED to display show the signal status.

## Features:

- ◆ Supports IEEE802.11b/802.11g/802.11n/802.3/802.3u
- ◆ Wireless transmitted power :802.11b 18dBm±2dBm, 802.11g 15dBm±2dBm, 802.11n 14dBm±2dBm
- ◆ Receiving sensitivity :802.11b: -83dBm@10% PER, 802.11g: -72dBm@10% PER, 802.11n: -68dBm@10% PER,
- ◆ 5 Port 10/100 Mbps Auto MDI/MDIX

- ◆ 1\*USB 2.0
- ◆ Supports RESET function
- ◆ Support watchdog feature
- ◆ 3G/4G signal strength LED
- ◆ Rich software management settings

## Specification:

| Hardware                      |                                                                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Main chipset                  | QCA9531                                                                                                                                   |
| RAM                           | DDR2 128MB                                                                                                                                |
| FLASH                         | SPI 16MB                                                                                                                                  |
| Protocol                      | IEEE802.11b/802.11g/802.11n/802.3/802.3u                                                                                                  |
| Wireless speed                | 2.4g 300Mbps                                                                                                                              |
| Work frequency                | 2.4GHZ                                                                                                                                    |
| Antennas                      | 2 *4G detachable 5dBi antennas and 2 *Non-detachable 5dBi antennas (customers can choose the antennas for the module)                     |
| Interface                     | 1*PCI-E slot<br>1*SIM card slot<br>1*USB 2.0 port<br>1*10/100M WAN port,support Auto MDI/MDIX<br>4*10/100M LAN port,support Auto MDI/MDIX |
| LED                           | Power,PCIE module indication<br>light,2.4G,WAN,LAN1,LAN2,LAN3,LAN4<br>4G signal 1, 4G signal 2, 4G signal 3,4G signal 4,4G signal 5,      |
| Button                        | 1*Reset button.                                                                                                                           |
| Power adapter                 | DC 12V/1A                                                                                                                                 |
| Whether support POE supply    | No                                                                                                                                        |
| Max Power consumption         | < 12W                                                                                                                                     |
| Product size ( L*W*H ) &Color | Size:26.5*22*5CM<br>Color: ( Metal ) Black(Optional)                                                                                      |

## Software

|                   |                                                                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| WAN Type          | PPPoE,Dynamic IP, Static IP,3G (4G) dial-up                                                                                                               |
| Work mode         | AP;<br>ROUTER;                                                                                                                                            |
| DHCP server       | Server, Client, DHCP Client List, Address Reservation                                                                                                     |
| System            | SDK,Openwrt, Ecos.                                                                                                                                        |
| Virtual Server    | Port Forwarding<br>DMZ host                                                                                                                               |
| Security settings | Client filter<br>Mac address filter<br>URL filter                                                                                                         |
| DDNS              | Support                                                                                                                                                   |
| VPN               | Support                                                                                                                                                   |
| Band Ctrl         | Support                                                                                                                                                   |
| Static Router     | Support                                                                                                                                                   |
| System Log        | Support                                                                                                                                                   |
| Other Function    | Mac clone<br>NTP Synchronize<br>Web firmware upgrade...                                                                                                   |
| <b>Others</b>     |                                                                                                                                                           |
| Work Environments | Operating Temperature:0℃ ~ 40℃;<br>Storage Temperature:-40℃~ 70℃;<br>Operating Humidity:10%~90% non-condensing<br>Storage Humidity:10%~90% non-condensing |
| Certification     | CE,FCC &roHs                                                                                                                                              |
| Packing list      | 1*Power adapter (12V/1A, 1.5M)<br>1*Lan cable.,1M                                                                                                         |
| Packing box       | 26.5*22*5CM                                                                                                                                               |
| Net weight        | 0.86 KG                                                                                                                                                   |
| Gross weight      | 1.0 KG                                                                                                                                                    |