

WRT2300 4G LTE CAT 4 indoor CPE



(V1.01)



WRT2300 4G CAT 4 CPE cellular indoor router is a wireless communication product developed based on 3G/4G LTE network requirements. Support 3G/4G LTE global network standard and frequency band. Meet 4G LTE CAT 4 high-speed wireless network access. The theoretical maximum downlink bandwidth of 4G LTE is 150Mbps, and the theoretical maximum uplink bandwidth is 50Mbps. Supports 802.11AX, WIFI 6, 2.4GHz function, to meet the access and shared Internet access of more than 10 users' WIFI hotspot. Provide stable, high-speed wireless broadband access for home and business users.

TYPICAL APPLICATION



Product features

- ◆ Wireless Mobile Broadband 3G / 4G LTE Connection. Supports 3G/4G LTE global frequency bands.
- ◆ Supports 802.11AX, WIFI 6, 2.4GHz frequency band.
- ◆ Supports 1*LAN fast Ethernet port to internet access.
- ◆ Support 1*RJ11 VOLTE voice port. (Optional)
- ◆ Supports Multiple VPN tunnels for data encryption .

Designed for industrial usage

- ◆ Power Input Range. DC +12V/1A
- ◆ Industrial design for harsh environment.
- ◆ ABS fireproof plastic material shell.

Easy to use and easy maintenance

- ◆ User friendly web interface for user interaction.
- ◆ Supports Central Management Platform.
- ◆ Supports local web UI and remote FOTA update firmware.

Operating system

- ◆ Built-in **Linux 3.4** operating system. Supports user secondary application development.

SPECIFICATIONS

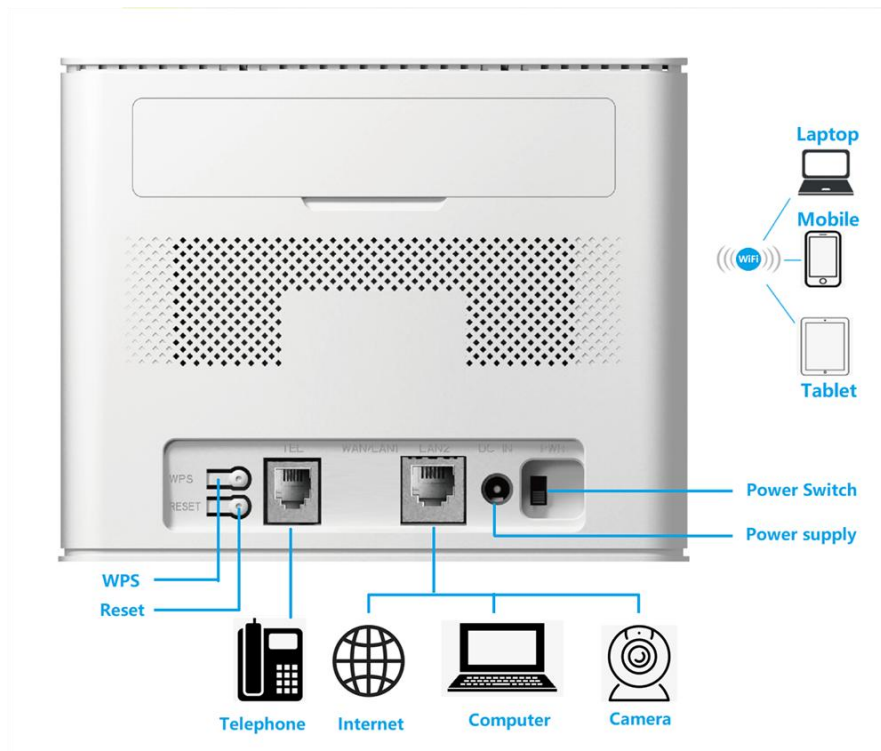
Cellular feature	
3G/4G LTE data connectivity	It provides data connectivity on LTE-FDD, LTE-TDD, DC-HSDPA, HSPA+, HSDPA, HSUPA and WCDMA networks.
3G/4G LTE Frequency bands	Version E. FDD-LTE B1/B3/B7/B8/B20/B28 TD-LTE B38/B40/B41 WCDMA B1/B8 Version A. FDD-LTE B2/B4/B5/B7/B28/B66 TD-LTE B38/B40/B41 WCDMA B2/B5 Remarks. More 4G LTE frequency bands , Please feel free to contact us.
3G/4G LTE Data rates	LTE. LTE FDD: Max 150Mbps (DL)/Max 50Mbps (UL) LTE TDD: Max 130Mbps (DL)/Max 30Mbps (UL) UMTS. DC-HSDPA: Max 42Mbps (DL) HSUPA: Max 5.76Mbps (UL) WCDMA: Max 384Kbps (DL)/Max 384Kbps (UL)

3G/4G LTE Sensitivity	LTE B1: -101.5dBm (10M) LTE B2: -101dBm (10M) LTE B3: -101.5dBm (10M) LTE B4: -101dBm (10M) LTE B5: -101dBm (10M) LTE B7: -99.5dBm (10M) LTE B8: -101dBm (10M) LTE B20: -102.5dB (10M) LTE B28: -102dBm (10M) LTE B38: -100dBm (10M) LTE B40: -100dBm (10M) LTE B41: -99dBm (10M) LTE B66: -99dBm (10M) LTE B71: -100dBm (10M) WCDMA B1: -110dBm WCDMA B2: -110dBm WCDMA B5: -110.5dBm WCDMA B8: -110.5dBm
3G/4G LTE Transmitting Power	◆ Class 3 (24dBm+1/-3dB) for WCDMA bands ◆ Class 3 (23dBm±2dB) for LTE-FDD bands ◆ Class 3 (23dBm±2dB) for LTE-TDD bands
LTE features	◆ Support up to non-CA CAT 4. ◆ Support 1.4 to 20MHz RF bandwidth. ◆ Support MIMO in DL direction ◆ FDD. Max 50Mbps (UL), 150Mbps (DL)
UMTS features	◆ Supports 3GPP R8 DC-HSPA+ ◆ Supports 16-QAM, 64-QAM and QPSK modulation ◆ 3GPP R6 Cat 6 HSUPA: Max 5.76Mbps (UL) ◆ 3GPP R8 Cat 24 DC-HSPA+: Max 42Mbps (DL)
Antennas	◆ 2* 2 MIMO 4G LTE internal directional antennas, with 50 Ω impedance.
SIM card feature	
SIM card	Supports 1* SIM slots, 1.8V / 3V . Or 1* eSIM card. (Optional)
Hardware feature	
CPU	ARM Cortex A7,1G, SANECHIPS ZX297520 V3
MEMORY	FLASH 16MByte, DDR2 128MByte
Hardware interface	1* LAN 10/100Mbps fast Ethernet port. 1*USB2.0 port.1*RJ11,VOLTE voice(Optional)
Watchdog	Built-in watchdog feature.
Key button	Reset, WPS
Protection level	Ethernet port , Contact electric shock, +/-4KV, air discharge: +/-8KV.
LED status indicator	PWR ,WIFI, Net, LAN
Standard Power	DC input. DC 12V/1A,
Peak current	Max current. 0.4A @12V
Working current	Max 1.9W @12 V
Power Consumption	Idle. Max 0.43W @12 V Data link. Max 1.9W @12 V Peak. Max 3.2W @12V
Battery supply	2000mAh Lithium battery backup power supply. (Optional)
Temperature	Operating Temperature. 0 °C ~+50°C, Storage Temperature. -10 °C ~+55°C
Environment humidity	5%~95% ,no condensation.

Ingress Protection	IP30
Housing	ABS plastic material, white shell.
Dimensions	155mm * 125mm * 36mm
Installations	Desktop mounted.
Weight	219g
Wi-Fi	
WLAN	◆ IEEE 802.11AX, WIFI 6. ◆ Supports 20MHz,40MHz channel bandwidth in 2.4GHz band.
Wireless Mode	Access Point (AP), Client
Wireless Speed	300Mbps @2.4GHz.
Wireless Security	Supports WPA, WPA2,WPAI, WEP, TKIP encryption.
Frequency Bands	2.4 GHz
WIFI transmit power	2.4GHz Tx power. TX CCK, 11Mbps @ -17dBm HT20,MCS 7 @ -16dBm
WIFI Rx Sensitivity	2.4GHz Rx sensitivity. 11Mbps:≤-90dBm. 54 Mbps:≤-72dBm.
WIFI antenna	Internal antennas with 50 Ω impedance.
WIFI hot spot sharing	Supports more than 10 users to share WIFI access to the Internet.
Software feature	
Parameter settings	Supports automatic detection of MNC and MCC parameters of global operators. Built-in global operator APN, user name, password and other network parameters. At the same time, manual setting
Dial method	After the device is powered on, the system automatically dials up to connect to the network.
Protocol	Supports PPTP,L2TP,IPSEC VPN,TCP,UDP,DHCP,HTTP,DDNS,TR-069,HTTPS,SSH etc protocol.
Routing	Supports static routing, multiple routing tables.
Bridge	Supports 4G bridge mode feature.
Multiple APN	Supports multiple APN access network.
System Assurance	Supports system automatic detection mechanism, automatic recovery of system abnormality or crash.
Data Link Assurance	Built-in data link maintenance and self-recovery mechanism.
Firewall	Support flexible access control of TCP, UDP, ICMP packets. Supports port Mapping, NAT etc feature.
DDNS	Supported some service providers, others can be configured manually.
Firmware update	Supports local WebUI and remote OTA update firmware.
VLAN	Supports VLAN feature.
Embedded system	Linux 3.4
Application development	Supports secondary development of application functions based on our device motherboard software.

VPN	
VPN Feature	Supports OpenVPN, IPSEC VPN,PPTP,L2TP etc VPN feature.
MONITORING & MANAGEMENT	
Web GUI	HTTP, Firmware Upgrade
Command Line Interface	SSHv2 ,telnet
Management platform	Remote Management Platform

Product picture.



Produ

