



TUGE CPE

LTE Indoor CPE TR200

- ✓ 3GPP Release 12
- ✓ CAT6
- ✓ CloudSIM supporting multiple operators
- ✓ 2.4G & 5G 802.11 b/g/n/ac WiFi



TR200 is a highly advanced LTE indoor multi-service product, specifically designed to meet integrated data, and 802.11b/g/n/ac dual bands Wi-Fi access needs for residential, business and enterprise users. The product supports advanced Gigabit networking and dual bands Wi-Fi AP functionalities. It enables wide service coverage and provides high data throughput and networking features to customers who needs easy broadband access, hot-spot Wi-Fi connectivity.

The TR200 supports vSIM or cloudSIM technology, which eliminates the need to insert a physical SIM card and allows the TR200 to be compatible with multiple operators, thus providing the best experience for end users by selecting the best operator's network based on network coverage.

Hardware Specifications

| Spec | Description |
|-------------------|--|
| LTE standard | LTE Cat 6, 300 Mbps (DL) /50 Mbps(UL) |
| Flash | 256Mb |
| RAM | DDR3 2Gb |
| Ethernet LAN | 4 * Gigabit RJ45 LAN Port 10/100/1000 auto-sensing, LAN1 can be set to WAN |
| Voice POTS | 1* RJ11 |
| LED | 8 LED Indicators (PWR, Wi- Fi/WPS, 4G/LTE,RF Signal*5) |
| SIM | 1 SIM (FF) Support 1,8v & 3.3v |
| Reset Button | Tact Switch |
| Antenna | 2 Built-in wifi(2.4g and 5g use in common) |
| Dimensions | 180mm*132mm*48mm |
| Weight | < 500g |
| Power Consumption | < 24W |
| Power Supply | AC100V~240V,50Hz~60Hz DC 12V DC±10% 2A 7.4V2A battery optional |

RF Specifications

| Feature | Capability |
|--------------------|--|
| Support Bands | FDD LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B25/B26/B28/B66 TDD LTE:B38/B39/B40/B41(200M) WCDMA/HSPA:B1/B2/B4/B5/B8 GPRS/EDGE:B2/B3/B5/B8 |
| CA | Intra band 2CA, Inter band 2CA |
| MIMO | LTE:MIMO 2*2 WIFI: MIMO 2*2(5G) MIMO 2*2(2.4G) |
| Tx | 1 Tx |
| Output Power @25°C | 23±2 dBm |
| LTE Antenna | 2 Built in 2 External |
| LTE Antenna Gain | 3-5 dB |
| Wi-Fi Frequency | 2.4GHz/5GHz |
| Wi-Fi Antenna | Build-in high gain Wi-Fi antenna, 2.4GHz, 5GHz use in common |
| Wi-Fi Output Power | 15 dBm/2.4G;18 dBm/5G; |
| Wi-Fi Channel BW | 20MHz, 40MHz,80MHz(ac) |
| Wi-Fi Antenna Gain | 3 dB/2.4G;3 dB/5G; |
| Peak Throughput | LTE DL Cat 6, UL Cat 6(300 Mbps/50 Mbps) |

Environment Specifications

| Feature | Capability |
|-----------------------|-----------------------|
| Operating Temperature | -10 C--45 C |
| Storage Temperature | -45 C--85 C |
| Operating humidity | 95% Maxton-condensing |
| Storage humidity | 95% Maxton-condensing |

Topology



Router Mode

| Spec | Description |
|-----------------|---|
| LAN | Can be set 2 IP addresses on the LAN and for 2 different networks |
| WAN | WAN IP can be set dynamic |
| Router protocol | Static Route |
| DNS | Support the Ping, route, tcpdum and trace |

WIFI Features

| Functions |
|--|
| Users can turn on/off WLAN function through two ways. one is touch the WLAN button. the second is Web UI. |
| Support configuration WLAN functions through Web UI, include: SSID, SSID broadcasting turn on/off, AP Isolate function, Channel, rate and mode |
| Support encryption: Un-encrypted, WEP-OPEN, WEP-SHARED, WPA-PSK (TKIP), WPA-PSK (AES), WPA2-PSK (TKIP), WPA2-PSK (AES) |
| Support WPS: Support PBC mode |
| WiFi protocol support: IEEE 802.11 b/g/n (2.401 – 2.483 GHz) IEEE 802.11 ac |

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| WiFi support max. users: 32 |
| Support SSID broadcasting |
| Support multi SSID |
| Support WiFi channel self-adapt and select |
| Support guest network |