

### Key Benefits

- ✓ Compact and cost effective design with built-in high gain LTE and Wi-Fi antennas.
- ✓ Compliant to Release 10, Advanced 4x4 MIMO support and DL & UL CA support (CAT7)
- ✓ 4 GE LANs, optional VoIP line, USB 3.0, 802.11b/g/n/ac dual band Wi-Fi support
- ✓ Router, bridge and by-pass networking, IPv4 & IPv6 and Multiple PDN support.
- ✓ Advanced SIM card authentication and PLMN, Cell and USIM card locking support features
- ✓ Secure Telnet, FTP, HTTP and TR069 OTA management support
- ✓ UPS battery backup option

### TECHNICAL FEATURES

JT3300M is fully compliant to the LTE specification. It offers standard support for advanced features such as MIMO and AMC to maximize the system capacity and bandwidth throughput. The use of OFDM modulation enhances performance in non-line-of-sight conditions to ensure immunity to interference and multi-path conflicts typical of deployments in urban areas. Sophisticated QoS capabilities ensure true end-to-end QoS and support for high quality data services.

JT3300M has enhanced router function and VPN clients support to enable greater service selection and reliability. The easy-to-read signal strength and data activity indicators in the front panel make it intuitive for users to check the status of the device.

To meet the different requirements of varied countries and regions, JT3300M come with different sub models to operate in different frequency bands as specified by the 3GPP LTE standards. The currently supported product band includes B40/41, B42/43 and B3/7/20

**JT3300M** is an advanced CAT7 LTE indoor Wi-Fi & SIP VoIP CPE product designed to enable quick and easy LTE fixed data service deployment for residential and SOHO customers. It provides high speed LAN, Wi-Fi, VoIP and VoLTE integrated services to end users who need both bandwidth and multi-media data service in enterprise or home.

### RELIABLE PERFORMANCE

JT3300M is a multiport indoor Wi-Fi & VoIP CPE based on the standard implementation of LTE Release 10 specifications. With built-in high gain antenna, it enables a longer reception range from the base station. This yields more efficient use of the network with a larger cell reach, guaranteed carrier class service, and customer service probability.

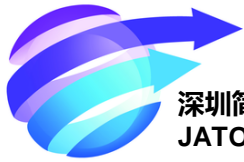
The device has 4 GE LAN ports, 1 optional RJ11 analog phone port, 1 USB port, built-in 802.11b/g/n/ac dual band Wi-Fi and software firewall for security, providing an effective all-in-one solution to SOHO or residential customers. It can provide up to 300Mbps data throughput which can be very competitive to wired broadband access service.

### EASY USAGE & MANAGEMENT

JT3300M is a user-friendly LTE CPE and very easy to configure and setup. Subscribers can just connect the device to their computer or home switch/router and the device is ready to offer an experience of surfing over Internet. The LEDs on the AM3300M have also been designed for user convenience, and offer a clear sign of what the device is doing. The compact design is well suited for enterprise and residential users.

JT3300M offers rich management features which facilitate the task of service provider. It supports local management access, Telnet, WEB, and centralized remote OTA configuration, upgrades management and device monitoring via standard TR-069 ACS system.





## CAT7 indoor CPE (JT3300M)

## Data Sheet

### WI-FI INTERFACE

- Radio Access : IEEE 802.11 b/g/n/ac
- Tx Power : 15dBm (2Tx)
- Antenna : 4 dBi built-in antenna
- Max Users : 32+
- Security : 64/128 bit WEP, WPA/WPA2

### USER INTERFACE

- Data Interface : 4 RJ45 GE Port, 1 RJ11 Phone Port, USB3.0 Port
- LED Indicator : SYS, NET, RF, SIM, WPS, 2.4GHz Wi-Fi, 5GHz Wi-Fi, GE, FE, LINE
- SIM Card : Single SIM card slot (2FF)

### LTE RADIO INTERFACE

- Radio Access : 3GPP Release 10, Category 7
- Operation Mode : TDD/FDD
- Frequency Band : B40/41, B42/43, B3/7/20
- Channel BW : 1.4/3/5/10/15/20MHz, CA support
- MIMO Support : 4Rx, 2Tx, DL 4\*4 MIMO, DL & UL CA(2CC), UL QAM64
- Max Tx Power : 23dBm per antenna port
- Antenna Gain  
B40/41:  $5 \pm 1$  dBi, B42/43:  $6 \pm 1$  dBi  
B3/7/20: 2-5dBi

## Technical Specifications

### VOICE FEATURES

#### VoIP Processing

Compression G.711 G.721 G.723 G.726 G.729 G.722, Comfort Noise Comfort noise generation & control, Echo Cancellation G.165/168-2000, Silence Handling Silence detection/suppression, Fax Support T.30 and T.38, Delay/Jitter/Loss Jitter and packet loss compensation, DTMF Relay in band DTMF, RFC2833, SIP signal, Call Duration 24+ hours Uninterrupted Call.

#### Voice Services

**[Basic Voices]:** Local, domestic & international calling, Flexible dial plan configuration support, Tone customization for different countries.

**[Supplement Services]:** Caller ID, Caller ID suppression, Call Screening, Speed dial, Call Tracing, Hotline, Unconditional call forwarding, Call Forwarding No Answer, Call Forwarding on Busy, Call Waiting, Call Back, Call Blocking, No Disturbance, Alarm, Network and Local 3-way Call, Data Call, and etc.

### PHYSICAL & ENVIRONMENTAL

**Power DC :** DC 12V/1.5A, <20W, optional UPS battery backup

**Weight :** <500g

**Dimensions:** 240mm \* 157mm \* 30mm

**Environment :** Operating Temperature, -15°C~55°C. Humidity, 90% max Non-condensing

### CONFIGURATIONS & MANAGEMENT

**Network Configuration :** DHCP or static IP address assignment, Bridge and router operation support, Built-in DHCP server for LAN devices, IPv4, IPv6 DS-Lite support, Multiple PDN interface support, Cell and PLMN locking support.

**Data Networking Features :** VPN Pass-through support (PPTP, L2TP and IPsec), Built-in L2TP & GRE Tunneling client support, Firewall & Access Controlled and Virtual Server Support, IP and Port Filtering Support, Local and Remote Management Restriction, Application Firewall Support, LAN Device Access Control.

**Device Management :** CLI, Secure Telnet and WEB Management Interfaces, Standard TR-069, Device Factory Default Setting, Virtual SIM Card Support.