



Key Benefits

- ✓ Cost effective & compact design with built-in high gain LTE and WiFi antenna
- ✓ Compliant to 3GPP LTE R8 specifications
- ✓ Advanced MIMO support and Category4 throughput
- ✓ Single FE LAN port and 802.11b/g/n MIMO WiFi support
- ✓ VPN & full L2/L3 GRE Tunneling clients support
- ✓ Router, bridge and by-pass networking, IPv4 & v6 and Multiple PDN support
- ✓ FTP, HTTP, HTTPS and TR-069 management support
- ✓ External antenna optional

TECHNICAL FEATURES

JT3100E 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.

JT3100E 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, JT3100E come with different sub models to operate in different frequency bands as specified by the 3GPP LTE standards. The currently supported product band include B3, B7, B8, B20, B40, B41, B42, B43 and B55 (3.3-3.4GHz).

JT3100E is cost effective 4G LTE indoor WiFi CPE product designed to enable quick and easy LTE fixed data service deployment for residential and SOHO customers. It provides high speed LAN and Wi-Fi integrated services to end users who need both bandwidth and multi-media data service in enterprise or home.

RELIABLE PERFORMANCE

JT3100E is a single port indoor WiFi CPE based on the standard implementation of LTE 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 one 10/100Mbps LAN port and built-in 802.11b/g/n MIMO WiFi and software firewall for security, providing an effective all-in-one solution to SOHO or residential customers. It can provide up to 100Mbps data throughput which can be very competitive to wired broadband access service.

EASY USAGE & MANAGEMENT

JT3100E 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 JT3100E 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.

JT3100E 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.





WI-FI INTERFACE

- Radio Access : 802.11b/g/n (2x2 MIMO)
- Tx Power : 16 ± 1 dBm
- Antenna : 4-5 dBi built-in antenna
- Max Users : 6
- Security : 64/128 bit WEP, WPA/WPA2

USER INTERFACE

- Data Interface : 1 RJ45 10/100M ETH Port
- LED Indicator: SYS, Wi-Fi, RF 1-2-3
- SIM Card : SIM card slot (2FF)

LTE RADIO INTERFACE

- Radio Access : 3GPP TD-LTE Release 9
- Operation Mode : TDD, 2Rx, 1Tx, DL MIMO
- Frequency Band : B3, B7, B8, B20, B31, B40, B41, B42, B43, B55 (3.3-3.4GHz)
- Channel BW : 1.4/3/5/10/15/20 MHz
- Modulations DL: QPSK, QAM16, QAM64
UL: QPSK, QAM16, QAM64
- QoS Support : Non-GBR and GBR
- Output Power : 23 dBm
- Antenna Gain: 2-4 dBi (B3, B7, B8, B20, B31)
4-5 dBi (B40, B41)
5-6 dBi (B42, B43, B55)

Technical Specifications

Networking Configuration

Router and L3 Bridge Operation Support
Built-in DHCP Server for LAN Devices
IPv4, and IPv6 DS-Lite Support for LTE
Multiple PDN interface support
NTP Service Support

Data Networking Features

- VPN Pass-through support (PPTP, L2TP & IPsec)
- Built-in L2TP & GRE Tunneling Client Support
- Firewall & Access Control
- DMZ and Virtual Server Support
- IP and Port Support
- Local and Remote Management Restriction
- Application Firewall Support
- LAN Device Access Control

PHYSICAL & ENVIRONMENTAL

Power DC : 12V/1.0A DC Adapte
optional UPS battery backup

Weight : <350g

Dimensions: 190mm x 162mm x 36mm

Power Consumption: < 12W

Environment : Operating Temperature, -15°C~55°C.
Storage Temperature -40 °C --85 °C
Humidity, 90% max Non-condensing

Device Management

- CLI, Telnet and Secure Telnet Access
- HTTP and HTTPS Management Interfaces
- Standard TR-069 Management
- FTP and HTTP OTA firmware upgrade
- Device Factory Default Setting
- Virtual SIM Card Support