



Key Benefits

- ✓ Cost effective & compact design with built-in high gain LTE and Wi-Fi antenna
- ✓ Advanced 4x4 MIMO, DL & UL CA, and UL QAM64 support (CAT7)
- ✓ Dual LAN ports, SIP 2.0 VoIP and 802.11b/g/n/ac MIMO Wi-Fi support
- ✓ Router, bridge and by-pass networking, IPv4 & v6 and Multiple PDN support
- ✓ Built-in VPN and L2/L3 GRE client support
- ✓ FTP, HTTP and TR-069 management support
- ✓ SIM card authentication and virtual SIM support

TECHNICAL FEATURES

JT6300M is fully compliant to the LTE Release 10 specification. It offers standard support for advanced 4G features such as MIMO and AMC to maximize the system capacity and bandwidth throughput. The use of 4G 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. JT6300M has enhanced router function and VPN clients support to enable greater service selection and reliability.

JATONTEC 6300M is a highly advanced CAT7 LTE outdoor multi-service product solution specifically designed to meet integrated data, voice and Wi-Fi access needs for residential, business and enterprise users. The product consists of an outdoor data CPE unit (ODU) and an indoor multiservice gateway unit (Router) that supports advanced networking, VoIP gateway and WLAN AP functionalities. It enables wide service coverage and provides high data throughput and networking features to customers who needs easy broadband access, low cost VoIP service and Wi-Fi connectivity.

RELIABLE PERFORMANCE

JT6300M provides the standard implementation of LTE release 10 specification. With the built-in high gain ODU antenna, it enables a longer reception range from eNodeB base station. This help yields more efficient use of network with a larger cell reach, carrier class service, and more customer service probability.

The Router unit has 2 Gigabit LAN and 1 RJ11 ports, built-in 2x2 MIMO high performance 802.11b/g/n/ac 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 max data throughput which can be very competitive to wired broadband access service.

EASY USAGE & MANAGEMENT

JT6300M is a user-friendly and easy to setup LTE CPE. The ODU can be powered by the 48V PoE via the Router WAN port. The LEDs on the JT4300M 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 user.

The JT6300M 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 systems.





- Radio Access : 3GPP Release 10, Category 7
- Frequency : FDD B7/3840/41, TDD B42/43/48
- Channel BW : 5/10/20MHz, and 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
B7/3840/41: 14dBi(2*2 CA), 10dBi(4*4 MIMO)
B42/43/48: 17dBi(2*2 CA), 13dBi(4*4 MIMO)
- LED Indicators: Power, System, ETH, SIM, RF(4)
- SIM Support : SIM card slot

Technical Specifications

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
 NTP Service Support
 SIM card locking feature
 Network selection and cell locking provision

Data Networking Features:

VPN Pass-through support (PPTP, L2TPV3 & IPsec)
 Built-in L2TPV3 & GRE Tunneling Clients
 Firewall & Access Control
 DMZ and Virtual Server Support
 IP and Port Filtering Support
 Local and Remote Management Restriction
 Application Firewall Support
 LAN Device Access Control

Device Management:

CLI, Telnet and WEB Management Interfaces
 Standard TR-069 Management
 Device Factory Default Setting

WiFi Interface (Router)

Radio Access : 802.11b/g/n/ac
Output Power : 16 dBm
Antenna : 4-5 dBi (2x2 MIMO, Dual Band)
Security : 64/128 bit WEP, WPA/WPA2

USER INTERFACE

ODU PoE Interface : 1 RJ45 10/100/1000M ETH
LAN Data Interface : 3 RJ45 10/100/1000M ETH
Voice Line Interface : 1 RJ11/FXS Line
Router LED Indicators : SYS, NET, WAN, 2.4G Wi-Fi, 5GHz Wi-Fi, WAN, LAN 1-2, LINE, WPS

PHYSICAL & ENVIRONMENTAL

Power DC : 48V/0.5A PoE <20W (Gigabit PoE)
Weight : <2.5Kg (ODU), <300g (Router)
Dimensions : 250mm (L) * 250mm(W) * 75mm(D)
 135mm x 105mm x 30mm (Router)
Environment : Operating Temperature, -40°C ~55°C.
 Humidity, 95% max Non-condensing
Water Protection : IP 67