



Key Benefits

- ✓ Cost effective & compact design with built-in LTE MIMO antennas.
- ✓ Compliant to 3GPP LTE Release10
- ✓ Advanced 4x4 MIMO, DL & UL CA, and UL QAM64 support (CAT7)
- ✓ Router and bridge operation mode support
- ✓ Support L2TPV3,PPTP and GRE VPN Tunneling clients
- ✓ Support secure Telnet, FTP, HTTP and TR069 remote OTA management
- ✓ Support IPv4&IPv6 and Multiple PDN

TECHNICAL FEATURES

JT6300D design is based on the standard implementation of LTE release10 specification. It is able to meet the most demanding requirements of large service providers with high throughput and availability. JT6300D is a CAT7 CPE and supports advance features such as 4x4 MIMO, Carrier Aggregation, QAM64 modulation on the uplink.

With high gain directional patch antenna. JT6300D 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. Advanced Orthogonal Frequency Division Multiplexing (OFDM) modulation enhances performance in non-line-of-sight (NLOS) conditions to ensure immunity to interference and multi-path conflicts typical of deployments in densely populated urban areas. Moreover, sophisticated QoS capabilities ensure true end-to-end QoS and support high quality data services.

JATONTEC 6300D is highly advanced TD-LTE CAT7 outdoor data unit specially designed to meet the most challenging demands of today's high speed wireless backhaul and fixed wireless access deployments by the 4G service operators. The unit can support multiple TDD band operations. Multiple operator network support can also be provisioned on the unit to allow the deployment across entire country with different operators

JT6300D provides Gigabit PoE connection to connect user terminal device such as router or Wi-Fi AP products. The unit PoE interface can also work with standard PoE switches or router products. The product comes with PoE power adapter and mounting bracket accessories for quick self-installation.

RELIABLE PERFORMANCE

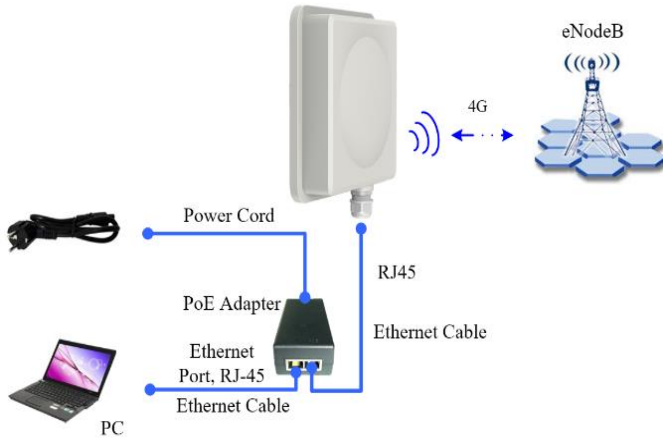
JT6300D is designed to meet the stringent operation environment for outdoor CPE devices. The device can safely operate in a wide temperature ranging from -40 to +55 degree and meets industrial IP67 water and dust proof standard requirements. The device MTBF time is expected to be above 80,000 hours. Depending on the network configuration and DL/UL split ratio configuration, the unit can provide up to 300Mbps max throughput over the air. The typical coverage should be more than 15km with reasonable good throughput performance.

EASY USAGE & MANAGEMENT

JT6300D is a user-friendly LTE CPE that is easy to install and maintain. The unit is fully integrated and comes with all the necessary device drivers pre-loaded. Subscribers 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 JT6300D have also been designed for user convenience, and offer a clear sign of what the device is doing. The IP addresses can be dynamically obtained via DHCP.

JT6300D offers rich management features which facilitate the task of carrier. It supports local management access, Telnet, Http, Https and standard TR069 remote OTA management including device configuration ,monitoring , and upgrades management





LTE Radio Interface

- Radio Access : 3GPP Release 10, Category 7
- Operation Mode : FDD/TDD
- Frequency Band : B7/38/40/41, 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
 - B7/38/40/41: 14dBi(2*2 CA), 10dBi(4*4 MIMO)
 - B42/43/48: 17dBi(2*2 CA), 13dBi(4*4 MIMO)

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

PHYSICAL & ENVIRONMENTAL

- Power DC :** 48V/0.5A PoE <15W (Gigabit PoE)
- Weight :** <2.5Kg
- Dimensions :** 250mm (L) * 250mm(W) * 75mm(D)
- Environment :** Operating Temperature, -40°C~55°C.
Humidity, 95% max Non-condensing

USER INTERFACE

- Data Interface :** 1 RJ45 10/100/1000M ETH Port
- LED Indicator :** PWR, SYS, NET, SIM, ETH, RF
(5 Signal intensity LEDs)
- SIM Card :** Single SIM card slot (2FF)

Industry Standards

- ITU :** 3GPP Release 10
- IEEE :** IEEE 802.3 10Base Ethernet
IEEE 802.3u Fast Ethernet
IEEE 802.3ab Gigabit Ethernet
- OTHERS:** Water Resistance IP67
Safety FCC or CE