JATONTEC 6300D is highly advanced 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 FDD 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.
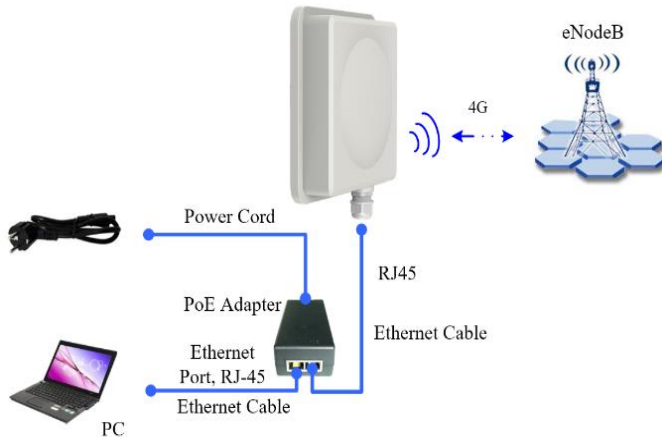
RELIABLE PERFORMANCE

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

Key Benefits

- ✓ Cost effective & compact design with built-in LTE MIMO antennas.

- ✓ Compliant to 3GPP Release 11 specifications

- ✓ Advanced MIMO support and Category 7 data throughput

- ✓ Router and bridge operation mode support

- ✓ Support L2TPV3,PPTP and GRE VPN Tunneling clients

- ✓ FTP, HTTP and TR-069 management

- ✓ Support IPv4&IPv6 and Multiple PDN

- ✓ 48V Gigabit PoE and pole or wall mounting support

TECHNICAL FEATURES

JT6300D design is based on the standard implementation of LTE release11 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 2x2 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.

JATON TEC

LTE Radio Interface

- **Radio Access : 3GPP LTE Release 11 CAT 7**

- **Frequency Band : B2, B4, B12, B17**

- **Operation Mode4Rx and 2Tx Design DL 2x2 MIMO & CA UL CA and QAM64 Support**

- **Carrier Aggregation : B2+2, B4+4, B12+B12, B17+B17**

- **Max Tx Power : 23dBm per antenna port**

- **Antenna Gain : 6 ± 1 dBi (B12/B17)**
  9 ± 1 dBi (B2/B4)

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
Default & Dedicated Bearer Support
SIM OTA Provision (BIP) Support
SIM card locking feature
Network selection and cell locking provision

Data Networking Features:
VPN Pass-through support (PPTP, L2TP & IPsec)
Built-in L2TP (L2/L3) & 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
NTP Service Support

Device Management:

CLI, Telnet, HTTP and HTTPS Management Interfaces
Standard Based TR-069 Management
FTP and HTTP OTA Firmware Upgrade
USIM and Network PLMN Locking Support
Device Factory Default Setting

PHYSICAL & ENVIRONMENTAL

Power DC : 48V/0.5A PoE (Gigabit PoE)
Power Consumption : <15W
Weight :   <2.5Kg
Dimensions : 305 * 275 * 162 mm
Environment : Operating Temperature, -40℃~55℃.
                    Humidity, 95% max Non-condensing
Water Protection : IP 67

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)