



Key Benefits

- ✓ Cost effective & compact design with built-in LTE MIMO antennas.
- ✓ Compliant to 3GPP LTE Release 9
- ✓ Advanced 2x2 MIMO and UL QAM64 support (CAT5)
- ✓ Router, bridge and by-pass networking, IPv4 & IPv6 and Multiple PDN support
- ✓ USIM card authentication support
- ✓ Secure Telnet, FTP, HTTP and TR069 OTA management support
- ✓ 48V PoE power supply and pole or wall mounting support

TECHNICAL FEATURES

With high gain directional patch antenna, JATONTEC 6100D 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 6100D also has built-in router function and VPN (PPTP, L2TP, GRE) client support to provide greater service flexibility and reliability. The standard PoE support, easy-to-read signal strength and data activity indicators in the back panel make it intuitive for users to install and check the status of the device.

JATONTEC 6100D is a cost effective and high performance 450MHz FDD LTE outdoor CPE designed to enable quick LTE fixed data service deployment to the remote customers. It provides high data throughput and advanced networking features to end users who need both bandwidth and quality service in the remote area.

RELIABLE PERFORMANCE

JATONTEC 6100D 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 115Mbps max throughput over the air. The typical coverage should be more than 20km with reasonable good throughput performance.

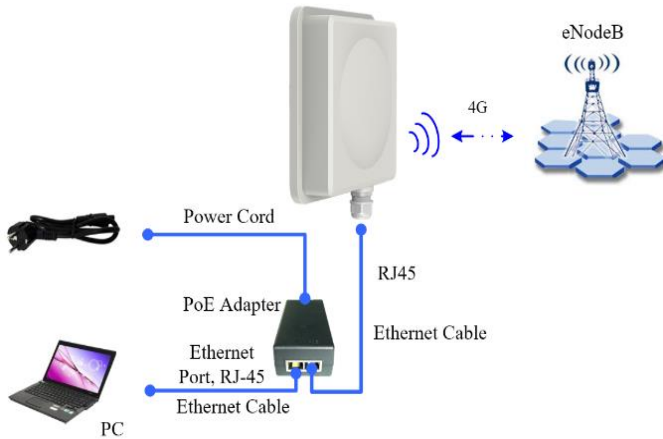
EASY USAGE & MANAGEMENT

JATONTEC 6100D 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 JATONTEC 6100D 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.

JATONTEC 6100D 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.

JATONTEC 6100D design is based on the standard implementation of LTE release9 specification. It is able to meet the most demanding requirements of large service providers with high throughput and availability. JATONTEC 6100D is a CAT5 CPE and supports advance features such as 2x2 DL MIMO, optional QAM64 modulation on the uplink.





- Radio Access : 3GPP Release 9, Category 5
- Operation Mode : FDD
- Frequency Band : B31
- Channel BW : 5/10/20MHz
- MIMO Support : 2Rx, 1Tx, DL 2*2 MIMO, Optional UL QAM64
- Max Tx Power : 23 dBm
- Antenna Gain : 4-5 dBi

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
- SIM card locking feature
- Network selection and cell locking provision

Data Networking Features:

- VPN Pass-through support (PPTP, L2TP & IPsec)
- Built-in L2TP & GRE Tunneling L2/L3 client support
- Firewall & Access Control
- Firewall & access controlled and virtual server support
- IP and Port Filtering Support
- Local and Remote Management Restriction
- Application Firewall Support
- LAN Device Access Control
- DMZ and virtual server support
- NTP service support.

PHYSICAL & ENVIRONMENTAL

Power DC : 48V/0.5A PoE <15W

Weight : <2.5Kg

Dimensions : 250mm (L) * 250mm(W) * 75mm(D)

Environment : Operating Temperature, -40°C ~55°C.
Humidity, 95% max Non-condensing

Water Protection : IP 67

USER INTERFACE

Data Interface : 1 RJ45 10/100 ETH Port

LED Indicator : PWR, SYS, NET, SIM, ETH, RF
(5 Signal intensity LEDs)

SIM Card : Single SIM card slot (2FF)

Device Management:

- CLI, secure Telnet and web management interfaces
- Standard TR-069 management
- OTA upgrade support (http, ftp, and TR069)
- Dual Image bank support for safe upgrade,
- Device factory default setting