

### Key Benefits

- ✓ Cost effective & compact design with built-in high gain LTE and WiFi antenna
- ✓ Full compliance to 3GPP2 TD-LTE Release 10 specifications
- ✓ Advanced MIMO support and Category 6 throughput
- ✓ 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
- ✓ Support Band42/43 or Band38/40/41

**JATONTEC AM4200M** is a highly advanced CAT6 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 (HGW) 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

AM4200M CPE product provides the standard implementation of LTE release 10 specifications. 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 HGW unit has 2 Gigabit LAN Ports, 1 Gigabit WAN Port and 1 RJ11 port, 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 supports LTE release 10 CA option and CAT6 data throughput which can be very competitive to wired broadband access service.

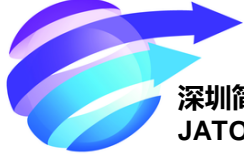
### EASY USAGE & MANAGEMENT

AM4200M is a user-friendly and easy to setup LTE CPE. The ODU can be powered by the HGW WAN PoE interface. The LEDs on the AM4200M 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 AM4200M 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.



### TECHNICAL FEATURES

The AM4200M 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. AM4200M has enhanced router function and VPN clients support to enable greater service selection and reliability



### LTE Radio Interface (ODU)

- Radio Access : 3GPP2 LTE Release10, CAT6
- Operation Mode : TDD, 2RX, 1TXD, DLMMIMO
- Frequency Band : B38/40/41, B42/43
- Channel BW : 5/10/20MHz, and CA support
- Max Tx Power : 27dBm (B42/43)  
23dBm (B38/40/41)
- Antenna Gain: 15±1dBi (B42/43)  
13±1dBi (B38/40/41)
- LED Indicators: SYS, SIM, ETH, RF (4)
- SIM Support SIM card slot (2FF, ODU)

### WiFi Interface (HGW)

- Radio Access 802.11b/g/n (300 Mbps)  
802.11ac (867 Mbps)
- Output Power 18±1dBm
- Antenna 3dBi built-in antenna
- Security 64/128 bit WEP, WPA/WPA2

## 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 for LTE
- Multiple PDN interface support
- NTP Service Support

#### Data Networking Features:

- VPN Pass-through support (PPTP, L2TP & IPsec)
- Built-in L2TP&GRE L2/L3 Tunneling Client 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

### PHYSICAL & ENVIRONMENTAL

**Power DC :** 48V/0.5A DC(HGW)

**Weight :** ODU<1.5Kg, HGW<300g

**Dimensions:** 310mm x 122mm X75mm (ODU)  
163mm x 130mm x30mm (HGW)

**Environment :** Operating Temperature, -40°C~55°C.  
Storage Temperature -30° C--85° C  
Humidity, 90% max Non-condensing

**Water Protection :** IP 67(ODU)

#### User Interfaces (HGW)

**WAN ODU :** RJ45 10/100/1000M ETH (PoE)

**LAN Data Interface:** 2 RJ45 10/100/1000M ETH

**Voice Line Interface:** 1 RJ11/FXS Line

**HGW LED Indicators:** SYS, NET, 2.4GHz Wi-Fi  
5GHz Wi-Fi, LAN1-2, LINE, WPS

