

JT7700D is highly innovative and patented 5G NSA/SA 5G NR Sub-6G window mounted CPE product designed to enable quick and easy 5G/4G/3G fixed data service deployment for residential and SOHO customers. It provides high speed LAN services to end users who need both bandwidth and multi-media data service in enterprise or home. It can also be used to support wireless fallback service.

RELIABLE PERFORMANCE

JT7700D is designed to meet the stringent operation environment for window CPE devices. The device can safely operate in a wide temperature ranging from -40 to +55 degree. 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 3.4Gbps max throughput over the air. The typical coverage should be more than 15km with reasonably good throughput performance.

JT7700D provides 2.5G PoE connection to connect user terminal device such as indoor 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.

EASY USAGE & MANAGEMENT

JT7700D is a user-friendly 5G NSA/SA 5G NR Sub-6G 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 JT7700D 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.

JT7700D 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.

TECHNICAL FEATURES

JT7700D design is based on the standard implementation of 3GPP release 16 specifications. It is able to meet the most demanding requirements of large service providers with high throughput and availability. JT7700D is a CAT20 CPE and supports advance features such as 4x4 MIMO and Carrier Aggregation, QAM64 modulation on the uplink.

Chipset	Qualcomm SDX62
Dimensions	286mm x 164mm x 53mm
Weight :	<2Kg
Power Adapter	Input : 100-240V 50/60Hz 0.75A MAX Output : DC 48V/0.5A (Gigabit PoE)
Power	< 18W
Data Interface	1 RJ45 10/100/1000/2500M ETH Port
LED Indicator	SYS, MOD, ETH, Wi-Fi, RF (4 Signal intensity LEDs)
SIM Card	1.8V/3.0V USIM 2FF
Environment	Operating Temperature, -40°C to 55°C Storage Temperature, -45° C to 85° C Humidity, 95% max Non-condensing
Ingress Protection Rating	IP65
Regulatory	CE / FCC



RF Interface

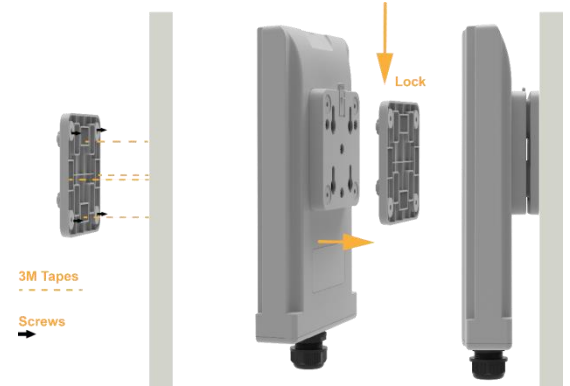
5G Radio Access	3GPP Release 16 5G NSA/SA 5G NR Sub-6GHz LTE-TDD/LTE-FDD/WCDMA
Operation Mode	700 ~ 960MHz (2 x 2) 1700 ~ 5000MHz (4 X 4)
Output Power	23dBm ± 2dB
Receive Sensitivity	Compliance with 3GPP standard
Frequency Band (NA Version)	5G-NR: n2/5/7/12/13/14/25/26/29/30/38/41/48/66/71/77/78/79 LTE-FDD: B2/4/5/7/12/13/14/17/25/26/29/30/66/71 LTE-TDD: B38/41/42/43/46*/48 WCDMA: B2/4/5
Frequency Band (EU Version)	5G-NR: n1/3/5/7/8/20/26/ 28/40/41/48/77/78/79 LTE-FDD: B1/3/5/7/8/18/19/20/26/28/32 LTE-TDD: B38/39/40/41/42/43/46*/48 WCDMA: B1/5/8
Antenna Gain	617 ~ 960MHz Band 3dBi 1700 ~ 2700MHz Band 4dBi 3300 ~ 5000MHz Band 7dBi
Wi-Fi6 optional	IEEE802.11b/g/n/ax
MIMO	2 x 2 DBDC
Output Power	15dBm
Antenna	3dBi
Connected Users	8
Security	64/128-bit WEP, WPA/WPA2

Model ID

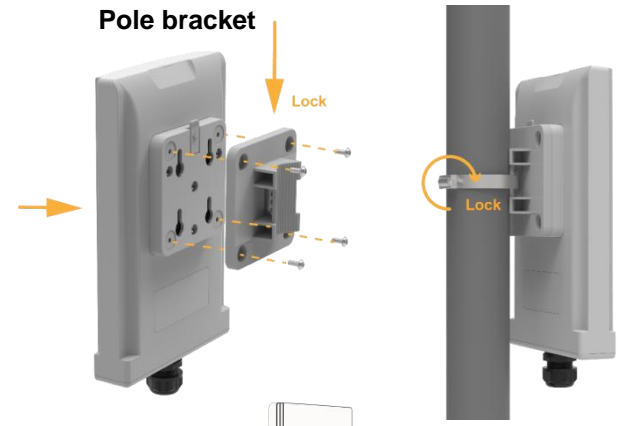
Sucker



Wall mounting bracket



Pole bracket



Network

Network configuration	Router and L3 Bridge Operation Support Built-in DHCP Server for LAN Devices IPv4, and IPv6 DS-Lite Support for LTE Multiple PDN Interface Support
Data Networking Features	VPN Pass-through support (PPTP, L2TP & IPsec) Built-in L2TP & GRE Tunneling Client Support DNS Proxy Support Firewall & Access Control DMZ and Virtual Server Support IP and Port Forwarding Support Local and Remote Management Restriction Application Firewall Support NTP Service Support LAN Device Access Control
Device Management	CLI, Telnet, HTTP and HTTPS Management Interfaces Standard Based TR-069 Management FTP and HTTP OTA Firmware Upgrade USIM and PLMN Locking Support Device Factory Default Setting

