



**JT7800D** 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 & WiFi6 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

JT7800D 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 4Gbps max throughput over the air. The typical coverage should be more than 15km with reasonably good throughput performance.

JT7800D provides 2.5G PoE connection to connect user terminal device such as indoor router or WiFi 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

JT7800D 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 JT7800D 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.

JT7800D 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

JT7800D design is based on the standard implementation of 3GPP release 15 specifications. It is able to meet the most demanding requirements of large service providers with high throughput and availability.

JT7800D is a CAT20 CPE and supports advance features such as 4x4 MIMO and Carrier Aggregation, QAM64 modulation on the uplink.

## 4G- 5G FWA

<b>Chipset</b>	MTK MT6877
<b>Dimensions</b>	150mm x 182mm x 50mm
<b>Weight :</b>	<1Kg
<b>Power Adapter</b>	Input : 100-240V 50/60Hz 0.75A MAX Output : DC 48V/0.5A (Gigabit PoE)
<b>Power</b>	< 18W
<b>Data Interface</b>	1 RJ45 10/100/1000/2500M ETH Port
<b>LED Indicator</b>	SYS, SIM, ETH, NET, 5G, 4G, 3G
<b>SIM Card</b>	1.8V/3.0V USIM 2FF
<b>Environment</b>	Operating Temperature, -40°C to 55°C Storage Temperature, -45° C to 85° C Humidity, 95% max Non-condensing
<b>Ingress Protection Rating</b>	IP67
<b>Regulatory</b>	CE / FCC

## RF Interface

<b>5G Radio Access</b>	3GPP Release 15 5G NSA/SA 5G NR Sub-6GHz LTE-TDD/LTE-FDD/WCDMA
<b>Operation Mode</b>	5G 4x4 MIMO, LTE 2x2 MIMO
<b>Output Power</b>	23dBm ± 2dB
<b>Receive Sensitivity</b>	Compliance with 3GPP standard
<b>Frequency Band (NA Version)</b>	5G NR: n2/n5/n12/n25/n66/n41/n48/n71/n77/n78 4G: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B41/B42/B43/B48/B66/B71 3G: B2/B4/B5
<b>Frequency Band (EU Version)</b>	5G NR: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n77/n78 4G: B1/B3/B5/B7/B8/B20/B28/B38/B40/B41/B42/B43 3G: B1/B5/B8
<b>Antenna Gain</b>	3 ~ 6 dBi

## Model ID



<b>Wi-Fi6</b>	IEEE802.11b/g/n/ax
<b>MIMO</b>	2 x 2 DBDC
<b>Output Power</b>	15dBm
<b>Antenna</b>	3dBi
<b>Connected Users</b>	8
<b>Security</b>	64/128-bit WEP, WPA/WPA2

## Network

<b>Network configuration</b>	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
<b>Data Networking Features</b>	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
<b>Device Management</b>	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

