



JT3700V is a most advanced 5G NSA/SA 5G NR Sub-6G indoor WiFi6 CPE product specially designed to enable quick and easy 5G/4G fixed data service deployment for residential and SOHO customers. It provides high speed LAN, WiFi6 integrated services to end users who need both bandwidth and multi-media data service in residential homes or enterprises.

RELIABLE PERFORMANCE

JT3700V is an advanced multiport indoor WiFi6 CPE based on the standard implementation of 3GPP release 16 specifications. With built-in high gain wireless antenna, it 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.

The device has one 2.5G WAN/LAN port, two GE LAN ports, one USB 2.0 port and high performance 4 x 4 MIMO and CA capabilities, 802.11a/b/g/n/ac/ax multiband WiFi, advanced routing, and firewall software for security. It provides an effective all-in-one solution to SOHO or residential customers. It can provide 4Gbps max data throughput over the air which can be very competitive to wired broadband access service.

EASY USAGE & MANAGEMENT

JT3700V is a user-friendly 5G NSA/SA 5G NR Sub-6G CPE and very easy to configure and setup. Subscribers can 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 unit 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 users.

JT3700V 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 system.

TECHNICAL FEATURES

JT3700V is fully compliant to the 3GPP release 16 specifications. It offers standard support for advanced features such as Carrier Aggregation, MIMO and AMC to maximize the system capacity and bandwidth throughput. The use of OFDM 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.

Model ID



Specifications

Technical Specifications

Physical

Dimensions	108mm x 108mm x 216mm
Weight	< 500g
Power consumptions	< 18W
Power Supply	12V/2.0A DC Adapter

Environmental

Operating Temperature	-15°C to 55°C
Storage Temperature	-40°C to 85°C
Humidity	90% max Non-condensing

Wireless Radio Interface

Radio Access	3GPP Release 16 5G NSA/SA 5G NR Sub-6G, LTE-TDD/LTE-FDD/WCDMA
Chipset	MTK D900
Operation Mode	5G 4x4 MIMO, LTE 4x4 MIMO 1700~3800MHz, LTE 2x2 MIMO 617~960MHz
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: B1/3/5/7/8/20/26/28/32, LTE-TDD: B38/39/40/41/42/43/46*/48, WCDMA: B1/5/8
Modulations	QPSK/QAM16/QAM64/QAM256
CA Support	5G: 2CC, 4G: 5CC, and ENDC CA Support
Receive Sensitivity	Compliance with 3GPP standard
Output Power	23dBm±2dB
Antenna Gain	2-6dBi
GNSS	GPS/GLONASS/Beidou/Galileo/QZSS (Optional)

Wi-Fi Interface

Radio Access	IEEE802.11b/g/n/ac/ax
MIMO	2 x 2 DBDC (3.6Gbps, BW=160MHz)
Output Power	15dBm
Antenna	3-5dBi Built-in antenna
Connected Users	32
Security	64/128-bit WEP, WPA/WPA2

User Interface

Data Interface	1 2.5G RJ45 WAN/LAN Port, 2 RJ45 GE ETH Ports, 1 USB 2.0 Port
LED Indicators	MESH, NET, WiFi, Power
SIM Support	1.8V/3.0V USIM 2FF

Software Specifications

Networking Configuration	Router and L3 Bridge Operation Support, Built-in DHCP Server for LAN Devices IPv4, IPv6 and IPv4/IPv6 Support, Multiple PDN Interface Support
Data Networking Features	VPN Pass-through support (PPTP, L2TP & IPsec) Built-in L2TPv2, L2TPv3 & GRE 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