

JT3600V is a most advanced 5G NSA/SA 5G NR Sub-6G indoor WiFi6 & VoLTE/VoNR CPE product specially designed to enable quick and easy 5G/4G/3G fixed data service deployment for residential and SOHO customers. It provides high speed LAN, WiFi6 and VoLTE/VoNR integrated services to end users who need both bandwidth and multi-media data service in residential homes or enterprises.

RELIABLE PERFORMANCE

JT3600V is an advanced multiport indoor WiFi6 and VoLTE/VoNR CPE based on the standard implementation of 3GPP release 16 specifications. With built-in high gain LTE 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 two 2.5G LAN ports, 1 RJ11 analog phone port, high performance 4x4 MIMO and CA capabilities, 802.11b/g/n/ax multiband Wi-Fi, advanced routing, and firewall software for security. It provides an effective all-in-one solution to SOHO or residential customers. It can provide 3.4Gbps max data throughput over the air which can be very competitive to wired broadband access service.

EASY USAGE & MANAGEMENT

JT3600V 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.

JT3600V 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

JT3600V 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	130mm x 180mm x 75mm
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	Qualcomm X62
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: B1/3/5/7/8/18/19/20/26/28/32, 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/Galileo/QZSS

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	2 RJ45 2.5Gbps ETH Port, 1 USB2.0
Line Interface	1 RJ11 Port
LED Indicators	SYS, NET, RF, Wi-Fi, LINE
SIM Support	1.8V/3.0V USIM 2FF

VoLTE & VoNR Support (Optional)

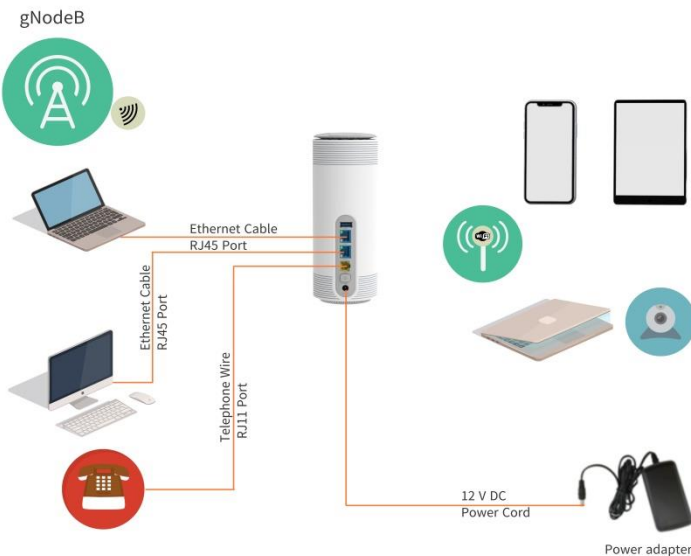
Basic Call	AMR-NB & AMR-WB, Caller ID Name & Number display
Supplementary Call Features	Communication Forwarding Barring of Incoming/Outgoing Calls Communication Hold & Waiting Ad-Hoc 3-Party Conference Message Waiting Indication Communication Diversion/Forward
DSP Processing	Adaptive Multi-Rate speech codec (AMR) AMR wideband codec Narrowband 8KHz & Wideband 16KHz Support DTMF Tone Generation and Detection Call Progress Tone Generation

Specifications

Software Specifications

Networking Configuration	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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

Installing



Packing List



Products	Quantity
Main System Unit	1
12V/ 1.5A DC Power Adapter	1
PC Ethernet Cable	1