

JT3500V is a most advanced LTE-A Pro indoor Wi-Fi & VoIP CPE product specially designed to enable quick and easy LTE fixed data service deployment for residential and SOHO customers. It provides high speed LAN, Wi-Fi and VoIP integrated services to end users who need both bandwidth and multi-media data service in residential homes or enterprises.

The device has 2 Gigabit LAN ports, 1 RJ11 analog phone port, high performance 4x4 MIMO and CA capabilities, 802.11b/g/n/ac dual band Wi-Fi, advanced routing and firewall software for security. It provides an effective all-in-one solution to SOHO or residential customers. It can deliver up to 1Gbps max data throughput which can be very competitive to wired broadband access service.



Chipset	GCT GDM7243A + MTK7621	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
Dimensions	120mm * 120mm * 160mm	Data Networking	VPN Pass-through (PPTP, L2TPV3 & IPsec) Built-in L2TPV3 & GRE Tunneling Client DNS Proxy, Firewall & Access Control DMZ and Virtual Server IP and Port Forwarding Local and Remote Management Restriction Application Firewall NTP Service
Weight :	<600g	Device Management	CLI, Telnet, HTTP and HTTPS Management Standard Based TR-069 Management FTP and HTTP OTA Firmware Upgrade USIM and PLMN Locking Support Device Factory Default Setting
Power Adapter	Input : 100-240V 50/60Hz Output : DC 12V/1.5A	QOS	Non-GBR and GBR
Power Consumption	18W		
User Interfaces	Data Interface : 2 RJ45 GE ETH Port 1 USB 3.0 Line Interface: 1 RJ11 LINE Port		
LED Indicator	SYS, NET, LTE, SIM, 2.4GHz Wi-Fi, 5G Wi-Fi, ETH1, ETH2, LINE		
SIM Card	Single SIM card slot (2FF)		
Environment	Operating Temperature, -15°C to 55°C Storage Temperature, -30° C to 85° C Humidity, 95% max Non-condensing		
Industry Standards	ITU : 3GPP E-UTRA Release 12 IEEE IEEE 802.3 10Base Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.11 Wireless LAN (802.11b/g/n/ac) IETF : IP voice SIP v2.0		
Ingress Protection Rating	IP20		
Regulatory	FCC CBSD ClassB Part96		



LTE Radio

Radio Access	3GPP Release 12, Category 15
Operation Mode	FDD / TDD, 4T4R, 4x4 MIMO & CA Contiguous & Non-Contiguous
Channel Bandwidth	5/10/15/20MHz, 2CC & 4CC
Modulations	DL: QPSK, QAM16, QAM64 UL: QPSK, QAM16, QAM64
Output Power	23 ± 1 dBm (4TX)
Frequency Band	B48 3550-3700MHz
Antenna Gain	6 dBi

VOIP

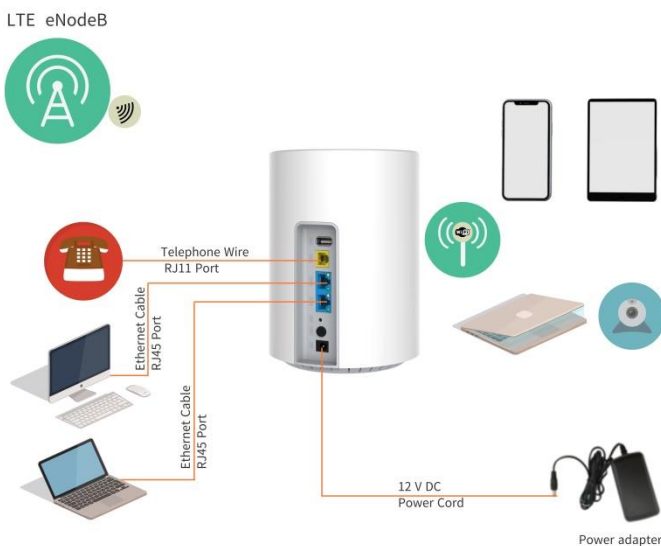
VoIP Processing	Compression : G.711 G.721 G.723 G.726 G.729 G.722
	Comfort Noise : Comfort Noise Generation & Control Echo Cancellation : G.165/168-2000 Silence Handling : Silence Detection/Suppression Fax Support : T.30 and T.38 Delay/Jitter/Loss : Jitter, Packet Loss Compensation DTMF Relay : In band DTMF, RFC2833, SIP signal Call Duration : 24+ hours Uninterrupted Call
Voice Services	[Basic Voices] Local, Domestic & International Calling Flexible Dial Plan Configuration Support Tone Customization for Different Countries.

Wi-Fi Interface

Radio Access	802.11b/g/n + 802.11ac
MIMO	2x2, 750Mbps
Output Power	16 ± 1dBm
Antenna	4-5 dBi built-in antenna
Connected Users	32
Security	64/128 bit WEP, WPA/WPA2

[Complementary Services]
 Caller ID, Caller ID suppression,
 Call Screening,
 Speed dial,
 Call Tracing, Hotline,
 Unconditional call forwarding,
 Call Forwarding No Answer,
 Call Forwarding on Busy,
 Call Waiting, Call Back,
 Call Blocking,
 No Disturbance, Alarm,
 Network and Local 3-way Call,
 Data Call, and Etc.

Installing



Packing List



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