

# Global Telecom 4G LTE Indoor CPE



## GLC130V LTE Indoor CPE

### CONVENIENT WIRELESS BROADBAND ACCESS

GLC130V is cost effective 4G LTE indoor Wi-Fi & SIP VoIP CPE product 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 enterprise or home.



### RELIABLE PERFORMANCE

GLC130V is a multiport indoor Wi-Fi & VoIP CPE based on the standard implementation of LTE specifications. With built-in high gain 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 2 LAN ports, 1 optional RJ11 analog phone port, built-in 802.11b/g/n MIMO Wi-Fi and software firewall for security, providing an effective all-in-one solution to SOHO or residential customers. It can provide up to 100Mbps data throughput which can be very competitive to wired broadband access service.

### EASY USAGE & MANAGEMENT

GLC130V is a user-friendly LTE 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 GLC130V 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.

GLC130V 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

GLC130V is fully compliant to the LTE specification. It offers standard support for advanced features such as 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.

GLC130V has enhanced router function and VPN clients support to enable greater service selection and reliability. The easy-to-read signal strength and data activity indicators in the front panel make it intuitive for users to check the status of the device.

- ◆ Cost effective & compact design with built-in high gain LTE and Wi-Fi antenna
- ◆ Compliant to 3GPP LTE R9 specifications
- ◆ Advanced MIMO support and Category 5 throughput
- ◆ Dual LAN ports, SIP 2.0 VoIP and 802.11b/g/n MIMO Wi-Fi support
- ◆ VPN & full L2/L3 GRE Tunneling clients support
- ◆ Router, bridge and by-pass networking, IPv4 & v6 and Multiple PDN support
- ◆ FTP, HTTP, HTTPS and TR-069 management support
- ◆ SIM card authentication and virtual SIM support
- ◆ UPS battery backup option

#### FEATURE HIGHLIGHTS

# GLC130V LTE Indoor CPE Specifications

## Physical

|                   |  |
|-------------------|--|
| Dimensions        | 190mm x 162mm x 36mm                               |
| Weight            | < 350g   |
| Power Consumption | < 12W  |
| Power Supply      | 12V/1.5A DC Adapter<br>USP battery backup optional |

## Environmental

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

## Radio Interface

|                   |   |
|-------------------|---|
| Radio Access      | 3GPP LTE Release 9  |
| Operation Mode    | TDD, 2Rx, 1Tx, DL MIMO                                    |
| Frequency Band    | B41,  |
| Channel Bandwidth | 1.4/3/5/10/15/20 MHz                                      |
| Modulations       | DL: QPSK, QAM16, QAM64<br>UL: QPSK, QAM16, QAM64 Optional |
| QoS Support       | Non-GBR and GBR   |
| Output Power      | 23 dBm  |
| Antenna Gain      | 4 dBi   |

## Wi-Fi Interface

|                 |                          |
|-----------------|--------------------------|
| Radio Access    | 802.11b/g/n (300 Mbps)   |
| Output Power    | 15 ± 1dBm                |
| Antenna         | 3dBi built-in antenna    |
| Connected Users | 32+                      |
| Security        | 64/128 bit WEP, WPA/WPA2 |

## User Interfaces

|                 |   |
|-----------------|---|
| Data Interface: | 2 RJ45 10/100M ETH Port                           |
| Line Interface: | 1 RJ11 Ports (optional)                           |
| LED Indicator:  | SYS, Wi-Fi, LINE, RF 1-2-3<br>Integrated LAN LEDs |
| SIM Support     | SIM card slot (2FF)                               |

## Networking 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         |
| NTP Service Support                    |

## Data Networking Features

|   |
|---|
| VPN Pass-through support (PPTP, L2TP & IPsec) |
| Built-in L2TP & GRE Tunneling Client Support  |
| Firewall & Access Control                     |
| DMZ and Virtual Server Support                |

|   |
|---|
| IP and Port Support                     |
| Local and Remote Management Restriction |
| Application Firewall Support            |
| LAN Device Access Control               |

## VoIP Processing

|                   |  |
|-------------------|--|
| Compression       | G.711 G.721 G.723<br>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 and 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<br>Flexible dial plan configuration support<br>Tone customization for different countries  |
| Complementary Services | Caller ID, Caller ID suppression, Call Screening,<br>Speed dial, Call Tracing, Hotline, Unconditional call<br>forwarding, Call Forwarding No Answer, Call<br>Forwarding on Busy, Call Waiting, Call Back, C<br>all Blocking, No Disturbance, Alarm, Network and<br>Local 3-way Call, Data Call, and etc. |

## Device Management

|                                      |
|--------------------------------------|
| CLI, Telnet and Secure Telnet Access |
| HTTP and HTTPS Management Interfaces |
| Standard TR-069 Management           |
| FTP and HTTP OTA firmware upgrade    |
| Device Factory Default Setting       |
| Virtual SIM Card Support             |

## Industry Standards

|        |             |                            |
|--------|-------------|----------------------------|
| ITU    | 3GPP        | E-UTRA Release 9           |
| IEEE   | IEEE 802.3  | 10Base Ethernet            |
|        | IEEE 802.3u | Fast Ethernet              |
|        | IEEE 802.11 | Wireless LAN (802.11b/g/n) |
| IETF   | IP voice    | SIP v2.0                   |
| OTHERS | Safety      | FCC or CE                  |