



## OpenVox VS-GWM401 Series Wireless Gateway Module

### Overview

OpenVox VS-GWM401 Series Wireless Gateway Module allows OpenVox wireless VS-GW1202/1600/2120 series gateways to support GSM/WCDMA/LTE connection to the VoIP devices, each module offers 4 2G/3G/4G channels.

They can bring you excellent HD voice service with multiple codecs, including G.711U, G.711A, GSM, G.722, G.726, G.729, and also flexible SMS service with multiple SMS API. The VS-GWM401 Series Wireless Gateway Module is perfect compatible with Asterisk, 3CX, FreePBX, FreeSWITCH SIP server and VOS VoIP system platform. It can provides users with more diverse telecommunications access methods and helps users reduce communication costs.

## Features

### VoIP Characters

- Support SIP/IAX2 Protocol
- DTMF Mode: RFC2833/Inband/SIP Info
- SIP V2.0 RFC3261 Compliance
- Abundant Codecs:G.711A, G.711U, G.729, G.722, G.726, GSM
- Work as both SIP Client and Server mode

### Network

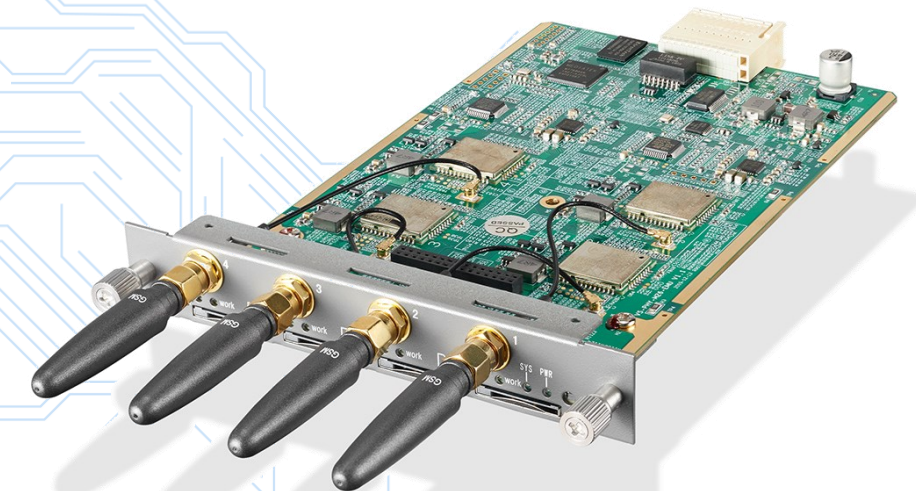
- IPv4, UDP/TCP, ARP, DHCP, NTP, DNS, HTTP/HTTPS, SSH
- PPTP VPN
- Ping & Traceroute
- Firewall

### Management

- Friendly GUI and easy configuration
- WEB/SSH Access and Management
- Support configuration files backup and restore
- Support multiple languages
- Firmware Update by Web
- CDR
- Detailed Log
- Network and SIP capture

### System Features

- SIP/IAX2/Wireless Group Settings
- Random call interval
- Call Duration Limitation
- Open API Protocol (based on Asterisk)
- Two-stage dialing
- Multiple SMS API
- SMS/USSD
- PIN Identification
- SMS Bulk Transceiver and Auto Resend
- SMS to Email
- SMS Forwarding and Quick Reply
- SMS Remotely Controlling Gateway
- Flexible Call Routings
- Schedule Reboot
- Support MMP
- Support for Custom Scripts, Dialplans
- Support OpenVox Cloud Service
- CLID Display & Hide (Need operators' support )



Specifications

## OpenVox VS-GWM401 Series Wireless Gateway Module

| Product Name                | VS-GWM401G                   | VS-GWM401W   | VS-GWM401L   |  |  |
|-----------------------------|------------------------------|--|--|--|--|
| Module Type                 | GSM                          | WCDMA  | LTE  |  |  |
| Module Number               | 4                            |  |  |  |  |
| Channel Number              | 4                            |  |  |  |  |
| Band                        | GSM:<br>850/900/1800/1900MHz | <b>VS-GWM401W-E Europe</b><br>900/2100MHz @UMTS<br>900/1800MHz @GSM<br><b>VS-GWM401W-A America</b><br>850/1900MHz @UMTS<br>850/900/1800/1900MHz @GSM<br><b>VS-GWM401W-T Thailand</b><br>850/2100MHz @UMTS<br>850/900/1800/1900MHz @GSM | <b>VS-GWM401L-CE China/India</b><br>LTE FDD: B1/B3/B5/B8<br>LTE TDD: B38/B38/B40/B41<br>WCDMA: B1/B8<br>TD-SCDMA: B34/B39<br>CDMA: BC0<br>GSM: 900/1800MHz | <b>VS-GWM401L-E EMEA/Korea/ Thailand</b><br>LTE FDD: B1/B3/B5/B7/B8/B20<br>LTE TDD: B38/B40/B41<br>WCDMA: B1/B5/B8<br>GSM: B3/B8 | <b>VS-GWM401L-AU Australia/ New Zealand/Taiwan/Brazil</b><br>LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28<br>LTE TDD: B40<br>WCDMA: B1/B2/B5/B8<br>GSM: B2/B3/B5/B8 |
| Power                       | 28W                          |  |  |  |  |
| Weight (without antenna)    | 164g                         |  |  |  |  |
| Dimension (without antenna) | 124mm*185mm*21mm             |  |  |  |  |
| SIM Card                    | Hot-Swap                     |  |  |  |  |
| Operation Temperature       | 0°C ~ 40°C                   |  |  |  |  |
| Operation Humidity Range    | 10% ~ 90%                    |  |  |  |  |
| Storage Temperature Range   | -20°C ~ 70°C                 |  |  |  |  |

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| VS-GWM400/401/420 Series Wireless Gateway Modules |                               |   |  |
|---|-------------------------------|---|--|
| Product Name                                      | VS-GWM400                     | VS-GWM401   | VS-GWM420                              |
| <b>Switch Board</b>                               |                               |   |  |
| Core Board  | N                             | Compatible with V1&V2 Switch Board  | Y (4-Core Intel)                       |
| Bus   | Ethernet                      |   | Ethernet + USB                         |
| Reset   | N                             |   | Y                                      |
| <b>Module Board</b>                               |                               |   |  |
| CPU   | Y                             |   | N                                      |
| Bus   | Ethernet                      |   | USB                                    |
| Reset   | Y                             |   | N                                      |
| <b>Function</b>                                   |                               |   |  |
| Cluster   | Y                             | N   | Switch Board control each Module Board |
| Firmware Update and Maintenance                   | Stop updating and maintenance | Function is basically the same, continuously updating versions and features |  |

The VS-GWM401 series is an upgraded version of the VS-GWM400 series, which is compatible with both V1 and V2 generation Switch Board and supports gateway modules mixing. Compared to the VS-GWM400, the VS-GWM401 no longer has clustering capabilities. With the upgraded CPU, the new VS-GWM401 series is even more powerful. Its system and functionality are broadly similar to the VS-GWM420 series'. The firmware for this branch will be updated and maintained on an ongoing basis.