UC2000-VH GSM VoIP Gateway

Overview

DINSTAR UC2000-VH series GSM VoIP Gateway is a 64 channels wireless gateway based on DINSTAR new hardware platform and powerful embedded CPU, leveraging state-of-art and latest VoIP / SIP technology, which enables the smooth transit between mobile network and VoIP networks. Supporting up to 64 concurrent calls and LCD display, makes it a unique choice in market for users who need a higher capacity wireless gateway in one single box.

Moreover, with open API, it allows users to build their own application software to send SMS/USSD messages or bulk SMS messages, or push their text messages from email, HTTP etc.

It is suitable for enterprises, multi-site organizations, call centers and areas with limited landline like rural area to cut down telephony costs and enable easy & efficient communications.

UC2000-VH

Key Features

- Up to 64 Channels GSM
- 2.3 inch Graphic LCD Display
- Powerful Embedded CPU
- Quad-bands 850/900/1800/1900MHz
- Compatible with Mainstream VoIP Platform
- Hot Swappable SIM Cards

- HD Audio
- HTTP API for SMS Application Integration
- SMS to Email & Email to SMS
- Flexible Dial Rules & Manipulation Rules
- Auto CLIP
- Remote SIMs Management (optional)

Hardware Interfaces

Mobile: 64 Channels

SIM Card slots: 64

Antennas Connectors: SMA

2.3" LCD graphic display

Ethernet Interfaces:

   2*10/100/1000 Base-T, RJ45

LED Indicators:

   Power, RUN, Channel indicator

Console:

   1* RS232 (USB-B connector)

RST/PWR Button

VoIP & Media

Protocol: SIP v2.0, RFC3261

SIP UDP/TCP/TLS

RTP/SRTP

Codecs:G.711A/U, G.723.1, G.729A/B, G.722, AMR, OPUS(TBD)

Silence Suppression

Comfort Noise Generator(CNG)

Voice Activity Detection(VAD)

Echo Cancellation

Dynamic Jitter Buffer

DTMF: RFC2833, SIP Info

Call Progress Tone Generation

Programmable Gain Control

NAT: STUN, Dynamic NAT, Static NAT

Network :

Static IP, DHCP Client, PPPoE

Network Protocols:

TCP/UDP,TFTP, FTP, SSH,ARP,RARP,ICMP, NTP, HTTP/HTTPS, DNS

Static/Dynamic ARP Request

PPTP/L2TP/OpenVPN

Access Rule List

Mobile Features

850/900/1800/1900MHz

SMS/USSD/PIN

Encoding: Unicode/ASCII

HTTP API for SMS

SMPP for SMS

Polarity Reversal

CID/CLIR

SMS Send and Receive

SMS to Email

Email to SMS

Auto SMS/Call Generation

Call Waiting/Call Back

Call Forward

Call Conference

GSM Audio Coding: HR, FR,EFR, AMR_FR,AMR_HR

Software Features

Mobile to VoIP, VoIP to Mobile

SIP Trunk and Trunk Group

Caller/Called Number Manipulation Rules

SIP Codes Mapping

White/Black List

PSTN Hotline

VoIP Hotline

Abnormal Call Monitor

Minutes Limitation for Ports/Single Call

Balance Check

Low Balance Alarm

Auto Update SIM Number

Random Call Interval

Auto CLIP Routing

Signaling & RTP Encryption(DBO)

Auto SIP Account

Maintenance

Web/Telnet Configuration

Configure Backup/Restore

Firmware Upgrade by HTTP

Factory Reset

CDR (10000 CDRs Storage Locally)

Syslog/Filelog

Ping and Tracert

Traffic statistics: TCP,UDP,RTP

VoIP Call Statistics

PSTN Call statistics: ASR,ACD,PDD

Voice Diagnose with Loopback

GSM Network Test

IVR Customization

SIP/RTP/PCM Capture

SIMCloud Management

Centralized Management(DMS)

Physical Features

Power Supply: 100-240V,50-60Hz

Power Consumption: 90w

Temperature(Operation): 0 ℃ ~ 40 ℃

(Storage): -20 ℃ ~80 ℃

Operation Humidity: 10%-90%

Dimension(W/D/H): 440×270×142mm

Unit Weight: 7.5kg