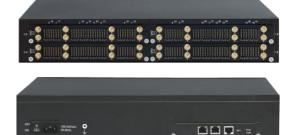


# **Overview**

Dinstar UC2000-VG GSM/WCDMA/LTE VoIP Gateway is a multi-functional product used to effectively implement the smooth transition between PLMN (Mobile) and VoIP network. The UC2000-VG gateway is designed for comfort, ease-of-use to satisfied necessary of customers. It is not only inherits tradition of quality voice communication over IP network but reduce the human resource of VoIP network deployment.

# UC2000-VG



It's a cost-effective gateway for call termination (VoIP to GSM) and origination (GSM to VoIP). It is fully compatible with leading Soft-switch and SIP server.

# **Key Features**

- 32 Mobile Channels with 128 SIM Slots, Easy to Conduct SIM Rotation Locally
- Supports to work with different mobile networks:
- Compatible with LTE-FDD/LTE-TDD/WCDMA/GSM Networks
- Supports Make Call through VoLTE
- Auto Call/SMS Generation
- Auto Update SIM Number and Balance Check
- No Balance Alarm and Call Minutes Limitation

### **Voice Processing**

Protocol: SIP v2.0, RFC3261, SIP TLS

Codecs: G.711A/U law, G.723.1, G.729A/B

Silence Suppression

Comfort Noise Generator(CNG)

Voice Activity Detection(VAD)

Echo Cancellation: G.168 with up to 128ms

Dynamic Jitter Buffer

DTMF: RFC2833, SIP Info

Call Progress Tone Generation

Programmable Gain Control

NAT: STUN, Dynamic NAT, Static NAT

## **Frequency Bands**

Type A.

FDD: B2/B4/B12 WCDMA: B2/B4/B5

Type E.

FDD:B1/B3/B5/B7/B8/B20

TDD: B38/B40/B41 WCDMA: B1/B5/B8 GSM:900/1800MHz

Type V. FDD:B4/B13
Type J.

FDD:B1/B3/B8/B18/B19/B26

Type AU.

FDD:B1/B2/B3/B4/B5/B7/B8/B28 TDD:B40 WCDMA: B1/B2/B5/B8

TDD:B41 WCDMA:B1/B6/B8/B19

GSM: 850/900/1800/1900

\* UC2000-VG supports different frequency bands, please choose a dedicated type based on the region or operator.

### Software Features

Calling Type:

Mobile to VoIP, VoIP to Mobile SIP Trunk and Trunk Group

Caller/Called Number Manipulation Rules

White/Black List PSTN Hotline

VoIP Hotline

Abnormal Call Monitor

Balance Check
Low Balance Alarm
Auto Update SIM Number
Random Call Interval

Auto CLIP

Signaling & RTP Encryption

SMPP for SMS

SIM Rotating by

SIM Run Time SIM Balance

### **Maintenance**

Web/Telnet Configuration
Configure Backup/Restore

Firmware Upgrade by HTTP/TFTP

**Factory Reset** 

CDR (10000 Lines 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
Auto Provisioning
SIP/RTP/PCM Capture

### Mobile

USSD Encoding: Unicode/ASCII

HTTP API for SMS Polarity Reversal

PIN Modify CID/CLIR

SMS Send and Receive

SMS to Email

Call Waiting/Call Back

Call Forward

**GSM Audio Coding:** 

 $\mathsf{HR}, \mathsf{FR}, \mathsf{EFR}, \mathsf{AMR}_\mathsf{FR}, \mathsf{AMR}_\mathsf{HR}$ 

#### Network

Static IP, DHCP Client, PPPoE

#### **Network Protocols:**

TCP/UDP,TFTP, FTP, RTP/ RTCP, SSH,ARP,RARP,ICMP Ping, NTP, HTTP, DNS

Static/Dynamic ARP Request

# Physical Interface

Mobile: 32 Channels

Antennas Connectors: SMA

Ethernet Interfaces:

2\*10/100 Base-T, RJ45

# LED Indicators:

Power, RUN, Signal Strength Indicators

## Console:

1\* RS232 115200bps

# **Environmental**

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

Power Consumption: 68w

**Temperature** 

Operation: 0 °C ~ 45 °C Storage: -20 °C ~80 °C

**Operation Humidity:** 

10%-90% No Condensation

Dimension(W/D/H): 440×270×75mm

Weight: 4.7kg

Package Weight: 8.2kg

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#### About Us

Founded in 2011 in Shenzhen, DINSTAR is a leading global provider of IP Unified Communication products including VoIP Gateways, IP PBXs, IP Phones and SBCs, we have been delivering more agile, efficient and affordable communication solutions and unparalleled communication experiences to our customers with our reliable, innovative and future-proof products for years. Through our value-added distributors and resellers worldwide, now DINSTAR serves telecom operators, service providers, system integrators, enterprises. SMBs and OEM partners in over 100 countries.