UC2000-VA GSM VoIP Gateway

Overview

Dinstar UC2000-VA is a single channel GSM VoIP Gateway used to smoothly transit between mobile and VoIP networks, for transmission of voice and SMS both. Integrated GSM connectivity and SIP protocol compatible with mainstream VoIP platforms, it is suitable for enterprises, multi-site organizations, call terminators and areas with limited landline like rural area to cut down telephony costs and enable easy & efficient communications.

Pictures

Front

Back

Key Features

- 1 GSM channels
- Carrier Auto/Manual Selection
- BCCH Management
- GSM: 850/900/1800/1900MHz
- PIN/IMEI Management

- SMS Send and Receive
- PSTN and VoIP Hotline
- Open API
- White/Blacklist
- Easy to Use and Installation

Voice Processing

Protocol: SIP v2.0, RFC3261

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 Traversal: STUN, Static/ Dynamic NAT

Maintenance

Web Based Configuration

Telnet Configuration

Configure Backup/Restore

Support English and Chinese Language

Firmware upgrade by HTTP/TFTP

Web & Telnet Login Password Modify

Factory Reset

CDR (5000 Lines CDRs Storage Locally)

Output CDR via Syslog

Syslog

Ping and Tracert

Traffic statistics: TCP,UDP,RTP

VoIP Call Statistics

PSTN Call statistics: ASR,ACD,PDD

Voice Dialogist with Loopback

IVR Customization

System Logs

Software Features

Calling Type:

 Mobile to VoIP, VoIP to Mobile

SIP Trunk and Trunk Group

Up to 32 Caller / Called Number /
Manipulation Rules

SIP Codes Mapping

White / Blacklist

Call Waiting

Callback

PSTN Hotline

VoIP Hotline

Password authentication for incoming and
outgoing calls

 Auto provisioning

 Abnormal Call Monitor

Call Minutes Limitation

Network

Network Work Mode:

 Router/Bridge

Ethernet Interface:

 1 WAN &1 LAN, 2*10/100M Base-T, RJ45

Static IP, DHCP Client

Network Protocols:

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

Static / Dynamic ARP Request

Mobile

SIM Slot: 1

SIM Interface:

 1.8v, 3.0v SIM Interface

Frequency Range:

 GSM 850/900/1800/1900MHz

SMS/SMSC/USSD

Call Duration Limitation

 Polarity Reversal

 PIN Modify

 Carrier Auto/Manual Selection

 CID/CLIR

 BCCH

 Balance Alarm

Environmental

Power Supply:

 External Power Adapter 12VDC1A

Power Consumption: 3.5W

Operating Temperature: 0 ℃ ~ 40 ℃

Storage Temperature: -20 ℃ ~80 ℃

Humidity: 10%-90% Non-Condensing

Dimensions(W/D/H): 126×75×25mm

Unit Weight: 0.7kg

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.