UC100-1V1S1O SME IP PBX

Overview

UC100 is a multi-functional gateway, which integrates voice service(PSTN and VoIP) and data service(LTE 4G/WCDMA 3G). It provides three voice interfaces (including GSM/LTE, FXS and FXO), offering seamless connectivity to VoIP Network, PLMN and PSTN. Based on SIP, it not only can interacts with VoIP network, but also supports types of GSM/WCDMA/LTE frequency ranges, thus meeting the worldwide requirements about the mobile network. UC100 supports WiFi and has high-speed data-handling capacity, allowing users to enjoy high-speed internet surfing through WiFi or the LAN port.

With VPN transparent transfer function, UC100 is ideally suitable for personal use. Meanwhile, it is perfect for small and medium enterprises, providing high-speed internet access, good voice service and messaging service.

Pictures

Front

Back

Key Features

- FXS/FXO/LTE interface on a single device
- Send/receive calls from PSTN/PLMN via FXO
- Flexible dial plan, via time, numbers, source IP etc.
- IVR customization
- High speed NAT forwarding, support WIFI hotspot
- Built-in SIP server, support up to 32 SIP Extensions
- User-friendly web interface, multiple management ways

DINSTAR

The Gateway to VoIP World

Physical Interfaces

FXS Port: 1

FXO Port: 1

SIM Slot: 1

Ethernet Interfaces

1WAN&3LAN 10/100 Base-T RJ45

WIFI: 2.4GHz 802.11b/g/n,2T2R

FXS

Connector: RJ11

Caller ID:

Bell core Type 1&2, ETSI,BT,

NTT & DTMF

Answer and Disconnect Signaling:

Answer, Disconnect, Busy Tone

Polarity Reversal

Hook Flash

FXO

Connector: RJ11

Caller ID: FSK, DTMF

Polarity Reversal

Answer Delay

Busy Tone Detection

No Current Detection

Mobile

GSM/GPRS/EDGE: 900/1800MHz

WCDMA(3G):

UMTS/HSDPA/HSPA+ B1/B8

TD-SCDMA B34/B39

LTE(4G):

TDD-LTE B38/B39/B40/B41

FDD-LTE B1/B3/B7/B8

SIM/USIM: 1 USIM per Channel

SIM Card: 1.8V, 3.0V

Antenna: 3.0dB, SMA Interface

SMS/USSD

Voice Capabilities

VoIP Protocols: SIP over
UDP/TCP/TLS,SDP,RTP

Codecs: G.711a/µ 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

Adjustable Gain Control

Automatic Gain Control （AGC）

Call Progress Tones: Dial Tone, Ring
Back Tone, Busy Tone

FAX: T.38 and Pass-through

NAT: STUN/UPnP/Static NAT

DTMF: RFC2833/SIP Info/In-band

Software Features

SIP Trunk

32 SIP Register Users

Ring Group

Routing Groups

Paging

Caller/Called Number Manipulation

Routing Base on Time Period

Routing Base on Caller/Called
Prefixes

Routing Base on Source Trunks

Dial Rules

Failover Routing

FXO Impedance Auto Match

IVR Customization

Auto Attendant Function

CDRs

Supplementary Services

Call Forward (Unconditional/No
Answer/Busy)

Call Waiting

Call Hold

Call Transfer

Hotline

Do-not-disturb

3 Way Conference

Maintenance

Web GUI Configuration

Telnet Management

Configuration Restore/Backup

Multiple Languages Supported

HTTP/HTTPS/FTP Firmware Upgrade

Auto Provision

CDR Report and Export

Syslog

Ping and Tracert

Traffic Statistics: TCP,UDP,RTP

Network Capture

NTP

Network

Access Rules

DHCP Client/ DHCP Server

Port Forward, DMZ, Static Routes

UPnP Client/DDNS

PPTP/L2TP/OpenVPN Client

Environmental

Power Supply: 12VDC, 1A

Power Consumption: 10W

Operating Temperature. 0 ℃ ~ 45 ℃

Storage Temperature: -20 ℃ ~80 ℃

Humidity: 10%-90% Non-Condensing

Dimensions (W/D/H):

126×75×25mm

Unit Weight: 0.7kg