UC100 All-in-one Box

UC100 is a multi-functional gateway, which integrates voice service and data service. It provides three voice interfaces (including GSM, FXS), offering seamless connectivity to VoIP Network, PLMN and PSTN. Based on SIP, it not only can interacts with VoIP network, but also supports four types of GSM 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 micro enterprises, providing high-speed internet access, good voice service and messaging service.

Product Pictures

UC100
Front View

UC100
Rear View

Key Features

FXS/GSM interface on a single device/gateway

Send/receive calls from PSTN/PLMN via GSM

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

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Physical Interfaces

- FXS Port: 1
- SIM Slot: 1
- **Ethernet Interfaces**
  1WAN&3LAN 10/100 Base-T RJ45
- **WIFI**
  2.4GHz 802.11n

FXS

- Connector: RJ11
- Caller ID: Bellcore Type 1&2, ETSI,BT,NTT and DTMF
- Answer and Disconnect Signaling: Answer, Disconnect, Busy Tone
- Polarity Reversal
- Hook Flash

Voice Capabilities

- VoIP Protocols: SIP over UDP/TCP,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/Signal/Inband

Mobile

- GSM: 850/900/1800/1900MHz
- SIM/UIM: 1 SIM/UIM per Channel
- SIM Card: 1.8V, 3.0V
- Antenna: 3.0dB, SMA Interface
- SMS/USSD
- Bulk SMS
- SMS Code/Decode: ASCII, Unicode
- IMEI/PIN Code Management
- HTTP API for SMS

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Supplementary Services

- Call Forward (Unconditional/No Answer/Busy)
- Call Waiting
- Call Hold
- Call Transfer
- Hotline
- Do-not-disturb
- 3 Way Conference

Software Features

- SIP Trunks
- Build-in SIP Server with up to 32 SIP Extensions
- Ring Group
- Routing Groups
- Caller/Called Number Manipulation
- Routing Base on Time Period
- Routing Base on Caller/Called Prefixes
- Routing Base on Source Trunks
- Dial Rules
- Failover Routing
- IVR Customization
- Auto Attendant Function
- CDRs

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

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Product Information

UC100 has several variants model to meet the requirements of our customers.

Model	Description
UC100-1G1S1O	1 GSM, 1 FXS, 1 FXO, WIFI, 1 WAN 3 LAN, Built in SIP Server
UC100-1G1S	1 GSM, 1 FXS, WIFI, 1 WAN 3 LAN, Built-in SIP Server
UC100-1S1O	1 FXS,1 FXO, WIFI, 1 WAN 3 LAN, Built-in SIP Server
UC100-1S	1 FXS, WIFI, 1 WAN 3 LAN, Built-in SIP Server

About Us

Dinstar has the most complete VOIP gateway products line in China, which covered GSM/CDMA/LTE Wireless Gateway, E1/T1 Trunk Gateway, FXS/FXO Analog Gateway, SIMBANK and SIMCLOUD system etc. Through our increasing innovation ability, excellent user experience, high performance-price ratio and tailored OEM/ODM service, Dinstar products and services have been widely deployed and recognized by telecom operators, system integrators, and enterprises around the world. With company culture of Honesty, Concentration, Innovation and Open-mind, our staffs gather and unify tightly as a team, aim to establish win-win relationships with our customers.