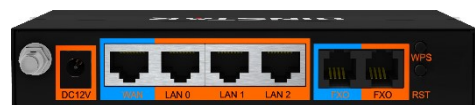# UC100 FXO VoIP Gateway

UC100 VoIP Gateway is a multi-functional analog gateway, offering seamless connectivity between IP-based telephony network and legacy telephones (POTS) and PBX systems. The device 2 FXO ports, an integrated high-speed NAT router, a 10/100Mbps Ethernet WAN port and three 10/100Mbps Ethernet LAN ports, and thus can share internet connection with local IP-based devices.

UC100 VoIP Gateway supports standard SIP protocol and is compatible with leading IMS/NGN platforms and SIP-based IP telephony systems. It is ideally suitable for residential users and small businesses that need excellent voice quality and advanced telephony services.

Product Pictures

Key Features

2 FXO ports with RJ11 connector

Four 10/100Mbps ports with high-speed NAT router

Fax over IP (Pass-through and T.38)

Detailed records of 5000 calls

Built-in SIP server, support up to 32 SIP extensions

User-friendly web interface, multiple management ways

UC100 FXO VoIP Gateway

Physical Interfaces

- FXO Port: 2 (RJ11)
- **Ethernet Interfaces**
  1*WAN 10/100 Base-T RJ45
  3*LAN 10/100 Base-T RJ45
- **WIFI (Optional)**
  2.4GHz 802.11b/g/n,2T2R

FXO

- Connector: RJ11
- Caller ID: FSK, DTMF
- Polarity Reversal
- Answer Delay
- Busy Tone Detection
- No Current Detection

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
- DTMF: RFC2833/SIP Info/In-band
- DDNS

Network Features

- Protocols:
  TCP/IP/UDP,RTP/RTCP, ARP/RARP, ICMP, NTP/SNTP, DNS/DDNS,FTP, Tracert, Nslookup
- Network Mode
  Bridge/Route
- HTTP/HTTPS
- PPPoE
- DHCP Server/DHCP Client
- Port Mapping
- Firewall
- Telnet/SSH
- PPTP/L2TP Client
- DMZ
- Static Route
- Wi-Fi Authentication
  WEP,WPA+PSK, WPA2+PSK

UC100 FXO VoIP Gateway

Supplementary Services

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

Software Features

- Ring Group
- Routing Groups
- Caller/Called Number Manipulation
- Routing Based on Time Period
- Routing Based on Caller/Called Prefixes
- Routing Based on Source Trunks
- Dial Rules
- Failover Routing
- IVR Local Maintenance
- Auto Attendant Function
- CDRs
- Built-in IPPBX with up to 32 SIP Users

Maintenance

- Web GUI Configuration
- Telnet Management
- Configuration Restore/Backup
- Multiple Languages Supported
- HTTP/TFTP/FTP Firmware Upgrade
- Auto Provision
- CDR Report and Export
- Syslog
- Ping and Tracert
- Traffic Statistics: TCP,UDP,RTP
- Network Capture
- NTP
- SNMP/TR069

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

Product Information

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

Model	Description
UC100-1S1O	1 FXS&1 FXO, WIFI, 1 WAN 3 LAN, Built-in SIP Server
UC100-2O	2 FXO, 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, aiming to establish win-win relationships with our customers.

Contact Us

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