



UC100 FXS VoIP Gateway

UC100 FXS VoIP Gateway is a multi-functional analog gateway, offering seamless connectivity between IP-based telephony network and legacy telephones (POTS), fax machines and PBX systems. The device offers 1 or 2 FXS 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 FXS 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

- 1 or 2 FXS ports (RJ11)
- 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

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Physical Interfaces

- FXS Port: 1 or 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

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
- DTMF: RFC2833/SIP Info/In-band

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

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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

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

Environmental

- Power Supply: 12VDC, 1A
- Power Consumption: 10W
- Operating Temperature: 0 °C ~ 45 °C
Storage Temperature: -20 °C ~80 °C
- Humidity: 10%-90% Non-Condensing
- Dimensions (W/D/H): 126 × 75 × 25mm
- Unit Weight: 0.7kg

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Product Information

UC100 FXS VoIP Gateway models

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

Contact Us

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