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 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 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/FXO/GSM interface on a single device/gateway

Send/receive calls from PSTN/PLMN via FXO/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 8 SIP Extensions

User-friendly web interface, multiple management ways

Honesty Concentration

Physical Interfaces

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

Voice Capabilities

- VoIP Protocols: SIP over
  UDP/TCP/TLS,SDP,RTP/SRTP
- Codecs: G.711a/µ law,G.723.1,
  G.729A/B, iLBC,G.726
- 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/Signal/Inband

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

FXO

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

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

Innovation Open-mind

Supplementary Services

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

Software Features

- 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
- FXO Impedance Auto Match
- IVR Customization
- 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 ℃ ~ 45 ℃
  Storage Temperature: -20 ℃ ~80 ℃
- Humidity: 10%-90% Non-Condensing
- Dimensions (W/D/H): 126×75×25mm
- Unit Weight: 0.7kg