UC2000 Universal Gateway

UC2000 is a multi-functional universal gateway, which is module-structured and provides connectivity to VoIP network, PLMN and PSTN via a standard 1U device. The gateway has a compact structure with fine appearance, featuring various ports and comprehensive application functions. Users can choose different modules based on their needs to construct a customized gateway.

UC2000 realizes the smooth migration from a single communication way (such as traditional PBX) to a comprehensive communication way which integrates VoIP, PLMN and PSTN. It also provides a united communication GUI for PLMN-based or PSTN-based voice service and messaging service. Offering unified communication service, the multi-functional gateway is perfect for those enterprises with different branches and can help them dramatically reduce communication fees.

Product Pictures

UC2000
Front View

UC2000
Rear View

Key Features

Multiple physical interfaces, Modular design, customization per your needs, tailored for your application.

Local calls via extension numbers, communication easily between headquaters/branches

Flexible dial plan, via time, numbers, source IP etc.

Simple/Easy deployment, integrated seamlessly with your current system

CDRs on local

SMS sending & receiving

User-friendly web interface , multiple management ways

Honesty Concentration

Physical Interfaces

- **Expansion Slots:** 12
- **Expansion Boards:**
  2 FXS Ports per Board
  2 FXO Ports per Board
  1 GSM Channel per Board
  1 CDMA Channel per Board
  1 WCDMA Channel per Board
  1 BRI Port per Board
  2 E1/T1 Ports per Board
  1 Radio Port per Board
  1 E&M Port per Board
- **Ethernet Interfaces**
  2*10/100 Base-T RJ45
- **Console**
  1* RS232, 115200bps

Voice Capabilities

- VoIP Protocols: SIP over UDP/TCP/TLS, H.323,SDP,RTP/SRTP
- Codecs: G.711a/μ law，G.723.1, G.729A/B，iLBC,G.726
- Silence Suppression, Comfort Noise, Voice Activity, Jitter Buffer
- Echo Cancellation: G.168 with up to 128ms
- Call Progress Tones: Dial Tone, Ring Back Tone, Busy Tone
- FAX: T.38 and Pass-through
- NAT: STUN/UPnP
- DTMF: RFC2833/Signal/Inband

PSTN

- BRI: 2B+D,NT or TE Programmable
- PRI: 30B+D,NT or TE Programmable, ITU-T Q.921, ITU-T Q.931, Q.Sig
- R2: R2 MFC, China and 22 Variants
- E1/T1 Connector: RJ48C (120Ω)

Mobile

- GSM: 850/900/1800/1900MHz
- CDMA: 800MHz
- WCDMA: 850/900/1900/2100MHz
- SIM/UIM: 1 SIM/UIM per Channel
- SIM Card: 1.8V, 3.0V
- Antenna: Panel Mount or External Cable, 3.0dB, SMA Connector
- SMS/USSD
- Bulk SMS
- SMS Code/Decode: ASCII, Unicode
- IMEI/PIN Code Management

FXS/FXO

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

Innovation Open-mind

Supplementary Services

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

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
- 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
- VoIP/PSTN Call Statistics
- Network Capture
- NTP

Environmental

- Power Supply: 100-240VAC, 50-60Hz
- Power Consumption: 50W
- Operating Temperature: 0 ℃ ~ 45 ℃
  Storage Temperature: -20 ℃ ~80 ℃
- Humidity: 10%-90% Non-Condensing
- Dimensions(W/D/H): 440×270×75mm
- Unit Weight: 4.7kg