

SBC9000

SBC9000 provides voice assistant services and value-added services for enterprises, industries, and governments. It features call control, redundant routing processing, dual hot backup, and other core functions. By seamlessly integrating traditional services with analog voice links and IP voice links, it reduces enterprise voice communication costs. On this basis, it realizes value-added voice services such as voice mail, teleconferencing, and automatic switching, simplifying service deployment and truly achieving efficient and flexible voice communication.



Core Capabilities

- **Multi-Network Access:** The Soft Switch System can access various communication networks. For example, it can connect to the IMS/NGN core network through the SIP protocol, or access the PSTN via the digital trunk or analog trunk of the backbone gateway.
- **Dual System Backup:** The Soft Switch server supports dual system backup. When the main soft switch server fails, the backup soft switch server can immediately take over all voice services with seamless switching.
- **Unified Network Management:** The system supports unified network management. Administrators can view status information of all devices, receive alerts, and configure data.
- **Rich Value-Added Services:** The service system can provide various value-added services, including conferences, automatic soft consoles, single number communication, telephone recording, voice mail, billing, etc.
- **Media Signal Translation:** Support media signal translation for SIP over UDP.
- **Dual Protocol Stack Support:** Support IPv4 and IPv6 protocol stacks (dual stack).
- **Call Capacity Control:** Ability to control and manage call capacity by limiting the total number of concurrent call sessions.
- **SIP Application Layer Security:** Support intrusion detection and protection at the SIP application layer.
- **Multi-Protocol Transmission:** Support SIP signaling and audio transmission over TCP, UDP, or TLS ports.
- **Message/Address Conversion:** Support operation or address conversion for SIP messages, RTP packets, and HTTP messages.
- **Hierarchical User Management:** Support hierarchical user management to ensure refined permission control.
- **Fault Alert System:** Provide alert and notification systems for reporting system operational faults and errors, enabling timely troubleshooting.

SIP License account

- SBC-A(3000 SIP users 3000 concurrent)
- SBC-B(1000 SIP users, 1000 concurrent)
- SBC-C(500 SIP users, 500 concurrent)
- SBC-D(100 SIP users, 100 concurrent)

Processor

- SBC-A (CPU-64219)
- SBC-B (CPU-64217)
- SBC-C (CPU-64215)
- SBC-D (CPU-64212)

Memory

- SBC-A (16G memory)
- SBC-B (8G memory)
- SBC-C&D (4G memory)

Hard disk

- 128G storage

I/O interface

- 4*LED status lights
- 2*USB 2.0
- 2*RJ45 Gigabit Ethernet ports
- 1*HDMI HD interface

Expansion slot

- 2 Expansion slots

Hardware specification

- 1U, 19" standard cabinet

Power input

- Rated voltage range: 100~240V AC, 50/60Hz Dual AC power supply redundancy.

Power

- 350W

Operating temperature

- Operation temperature: 0~40℃
- Store temperature: -20~70℃

Ambient relative humidity

- 5%~95%

Dust-proof

- The concentration of particulate matter in the air is less than 180mg

FAX

- T.30
- T.38

Basic service

- Support intra-office calls
- Outgoing call
- PSTN call

- NGN call

- IMS call

Voice codec

- Support G.711A/U
- G.729A/B
- G.723.1
- G.726
- iLBC
- AMR
- OPUS

Voice quality assurance

- Dynamic Jitter Buffer
- Voice detection
- Comfortable background sound

Business statistics

- Call log
- Traffic statistics

Private network traversal

- ALG
- STUN server

Video

- SIP-based point-to-point video

Unified communications

- Voice mail
- Personalized voice mail
- Call recording
- Follow me
- SMS gateway (CMPP、SGIP、network、strong strength GSM)
- Intelligent routing

EMC& safety certificate

- CE/FCC

Local management

- Web interface management

ARP attack defense

- IP/MAC binding
- ARP attack prevention

QoS

- Hardware chip to implement VoIP and QoS

Basic Voice Service

- Abbreviated dial
- NAT traversal
- SIP message transformation
- Signaling flow control

- Calling waiting

- Call forward

- Pick-up

- Park

- Caller ID

- Call restriction

- Alarm service

- DID

- DNIS

- Digital map

- Self-declaration number

- Trunk polling

- Intelligent routing

- Automatic redial

- Long call limit

- Hide number

- Secretarial business

- Number change

- Blacklist

Telephone conference

- Live teleconference
- Conference call reservation
- Chairman conference call
- Access conference call
- SMS
- Conference notification E-mail
- Conference minutes
- Encrypted traffic
- Encrypted communication

Bill

- Detailed call logs, personal call analysis
- Department call analysis, call level analysis

Billing docking

- Third-party billing software connection (API mode, FTP mode)

Backup recovery

- Support local/remote data backup

Remote management

- SNMP V2/V3, TR069, SYSLOG
- System online update, remote configuration parameter backup and recovery