

# 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.

<b>SIP License account</b>	<ul style="list-style-type: none"> <li>• SBC-A (3000 SIP users 3000 concurrent)</li> <li>• SBC-B( 1000 SIP users, 1000 concurrent)</li> <li>• SBC-C( 500 SIP users, 500 concurrent)</li> <li>• SBC-D( 100 SIP users, 100 concurrent)</li> </ul>	<ul style="list-style-type: none"> <li>• NGN call</li> <li>• IMS call</li> </ul>	<ul style="list-style-type: none"> <li>• Calling waiting</li> <li>• Call forward</li> </ul>
<b>Processor</b>	<ul style="list-style-type: none"> <li>• SBC-A (CPU-64219)</li> <li>• SBC-B (CPU-64217)</li> <li>• SBC-C (CPU-64215)</li> <li>• SBC-D (CPU-64212)</li> </ul>	<ul style="list-style-type: none"> <li>• Support G.711A/U</li> <li>• G.729A/B</li> <li>• G.723.1</li> <li>• G.726</li> <li>• iLBC</li> <li>• AMR</li> <li>• OPUS</li> </ul>	<ul style="list-style-type: none"> <li>• Pick-up</li> <li>• Park</li> <li>• Caller ID</li> <li>• Call restriction</li> <li>• Alarm service</li> <li>• DID</li> <li>• DNIS</li> <li>• Digital map</li> <li>• Self-declaration number</li> <li>• Trunk polling</li> <li>• Intelligent routing</li> <li>• Automatic redial</li> <li>• Long call limit</li> <li>• Hide number</li> <li>• Secretarial business</li> <li>• Number change</li> <li>• Blacklist</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• SBC-A (16G memory)</li> <li>• SBC-B (8G memory)</li> <li>• SBC-C&amp;D (4G memory)</li> </ul>	<b>Voice quality assurance</b>	<ul style="list-style-type: none"> <li>• Dynamic Jitter Buffer</li> <li>• Voice detection</li> <li>• Comfortable background sound</li> </ul>
<b>Hard disk</b>	<ul style="list-style-type: none"> <li>• 128G storage</li> </ul>	<b>Business statistics</b>	<ul style="list-style-type: none"> <li>• Call log</li> <li>• Traffic statistics</li> </ul>
<b>I/O interface</b>	<ul style="list-style-type: none"> <li>• 4*LED status lights</li> <li>• 2*USB 2.0</li> <li>• 2*RJ45 Gigabit Ethernet ports</li> <li>• 1*HDMI HD interface</li> </ul>	<b>Private network traversal</b>	<ul style="list-style-type: none"> <li>• ALG</li> <li>• STUN server</li> </ul>
<b>Expansion slot</b>	<ul style="list-style-type: none"> <li>• 2 Expansion slots</li> </ul>	<b>Video</b>	<ul style="list-style-type: none"> <li>• SIP-based point-to-point video</li> </ul>
<b>Hardware specification</b>	<ul style="list-style-type: none"> <li>• 1U, 19" standard cabinet</li> </ul>	<b>Unified communications</b>	<ul style="list-style-type: none"> <li>• Voice mail</li> <li>• Personalized voice mail</li> <li>• Call recording</li> <li>• Follow me</li> <li>• SMS gateway (CMPP, SGIP, network, strong strength GSM)</li> <li>• Intelligent routing</li> </ul>
<b>Power input</b>	<ul style="list-style-type: none"> <li>• Rated voltage range: 100~240V AC, 50/60Hz Dual AC power supply redundancy.</li> </ul>	<b>EMC&amp; safety certificate</b>	<ul style="list-style-type: none"> <li>• CE/FCC</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>• 350W</li> </ul>	<b>Local management</b>	<ul style="list-style-type: none"> <li>• Web interface management</li> </ul>
<b>Operating temperature</b>	<ul style="list-style-type: none"> <li>• Operation temperature: 0~40°C</li> <li>• Store temperature: -20~70°C</li> </ul>	<b>ARP attack defense</b>	<ul style="list-style-type: none"> <li>• IP/MAC binding</li> <li>• ARP attack prevention</li> </ul>
<b>Ambient relative humidity</b>	<ul style="list-style-type: none"> <li>• 5%~95%</li> </ul>	<b>QoS</b>	<ul style="list-style-type: none"> <li>• Hardware chip to implement VoIP and QoS</li> </ul>
<b>Dust-proof</b>	<ul style="list-style-type: none"> <li>• The concentration of particulate matter in the air is less than 180mg</li> </ul>	<b>Basic Voice Service</b>	<ul style="list-style-type: none"> <li>• Abbreviated dial</li> <li>• NAT traversal</li> <li>• SIP message transformation</li> <li>• Signaling flow control</li> </ul>
<b>FAX</b>	<ul style="list-style-type: none"> <li>• T.30</li> <li>• T.38</li> </ul>		
<b>Basic service</b>	<ul style="list-style-type: none"> <li>• Support intra-office calls</li> <li>• Outgoing call</li> <li>• PSTN call</li> </ul>		