Synway ®

SBC60 Session Border Controller

Next-Generation Session Border Controller for SMB & Enterprises

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- Dedicated DSP and Processor Chipsets for 5~60Chs Transcoding
- Decades of Field-Proven Technologies for Highest Level of Security
- Standardize Diverse Proprietary SIP protocols in Global Networks
- Support Intelligent Network Monitoring, Management & Diagnosis

With the development of VoIP technology, VoIP communication applications for enterprise become ubiquitous. To empower them to harness and exploit IP-based communication networks efficiently and effortlessly, Synway's new generation session border controller, SBC30, redefines and safeguards smooth interoperability among diverse multimedia applications, complete standardization among different IP protocols and the highest level of security in any networks.

SBC(Session Border Controller), an organic component of communication solution, often is implemented as connection point between internal and external networks, being used for bridging IP-based multimedia transmission among different IP network and ensuring communication security in networks of enterprises, services providers and carriers.

Key Features and Benefits

- Basic Features and Functions
  - Dos/DDos protection
  - QOS/ TOS/DSCP setting
  - Signal encryption(TLS/IPSec)
  - Media encryption(SRTP)
  - NAT transverse
  - SIP/H.323/H.248 interworking

  - Support IPV4, IPV6 and VPN
  - Load balancing
  - Transmission speed limit
  - RTP encoding/decoding
  - Redundancy and Backup
  - Anti-phreaking

- Flexible Scalability for Enterprises and SMB

5 ~ 60 simultaneous SIP sessions with dedicated DSP-powered multimedia transcoding provide high performance in a small footprint to help lower ownership cost and reassure high security at borders.

- Ensure Highest Level of Operational Security

SBC60 offers real-time communication surveillance solution for enterprises/SPs/carriers communication systems, and helps them deliver any business-driven applications effortlessly and safely.

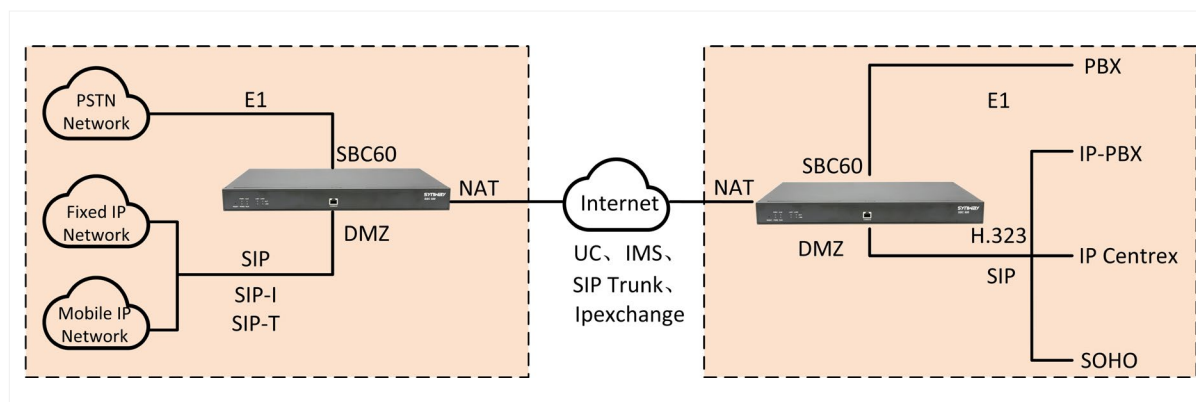- Deliver Hi-Flexibility for Session Management

Secure connectivity and controlling can be offered by SBC60, as it efficiently supports bilateral and multilateral interconnection among different networks; besides, Dialing and IP/PSTN routing available.

- Improve Communication Integration Capability

SBC bridges operators with enterprise communication networks seamlessly, rationalizes traffic, streamlines business procedures, and optimizes SIP trunking, PBX/H.323/SIP and VoIP applications.

- Balance Resources and Optimize Loading

Load protection at the border of network provides highly differentiated voice and multimedia services through multi-level resource-balancing policies, registration limit, ID authentication and authorization.

- Integrated Transcoding for Voice & Video

Eliminate need to add separate hardware to support transcoding requirements, and support a range of Codecs, including G.723, G.729, G.711, iLBC, SIPINFO, RFC2833, RF3261, INBOUND and more.

- Improve communication security at the border between internal and external networks

Technical Specification:

Features ╱ Model	SBC60
Input/output Interface	Amount: 2(10/100 BASE-TX(RJ-45)) Self-adaptive bandwidth: Supported Auto MDI/MDIX:Supported
Console Port	Amount: 1(RS-232) Baud rate: 115,200bps Connector:RJ45/Customizable Data bits: 8 bits Stop bit: 1 bit Parity: Unsupported Flow control: Unsupported
Signaling Protocols	SIP:SIP V1.0/2.0, RFC3261
Audio Encoding & Decoding	G.711A 64 kbps G.711U 64 kbps G.729 8 kbps G723 5.3/6.3 kbps G722 64 kbps AMR 4.75/5.15/5.90/6.70/7.40/7.95/10.20/12.20 kbps iLBC 15.2 kbps
Dimensions	L×H×W= 190mm*30mm*120 mm
Net Weight	0.7kg
Environment	Operating temperature:0°C-45°C Storage temperature:-20°C-85°C Operating Humidity:8%-90% non-condensing Storage humidity:8%-90% non-condensing
Power Requirements	Input voltage:100-240V AC Maximum power consumption:≤15W
Sampling Rate	8 kHz
Safety	Lightning resistance:Level 4

Synway ®

Since 1992

CTI and VoIP Gateway

1000+ employees

3000+ Partners

As a leading VoIP enabling-technologies provider in China, Synway has been partnered with applications & solution providers worldwide to deliver turkey solutions for enterprises and telecom carriers. Based on long-standing business network, Synway's appliances and equipments, with third-party compliant software platforms from mainstream application providers, have served 5,000 plus customers, including contact centers, financial institutes, public security, government agencies, service providers, hospitality and operators.

In ever-changeable environments, Synway's long-term goal would be of partnership with vendors of cloud-based unified communications, providing enterprises and SPs with a complete range of cloud-based applications, including Video and Audio Conferencing, Contact Center, IP-PBX, Unified Messaging, Social Media Services and more. For in-house IPR and better customer value, Synway provides strategic partners with customized OEM or ODM services to localize more efficiently. To achieve 0-defective rate, Synway has adopted ISO9001, CE, FCC, RoHS, 3C and more since 2001.