



OM1000-SBC

Packet forwarding delay	less than 30 ms
Maximum concurrent capacity (voice packets)	600 (unencrypted) 300 (encrypted)
Maximum registered users	3000 encrypted or non-encrypted users

Features

- Firewall traversal capability/NAT
- Voice proxy, docking between different network IP phones
- Encryption/decryption of signaling and media streams to ensure information security
- Provide voice quality (packet loss rate) monitoring to ensure call quality
- SIP terminal registration and authentication
- Network disaster escape
- VoIP protocol port transformation
- Security policies such as white-list, topology hiding, SSH management
- Support gateway registration and authentication functions
- Support for TR069 management protocol

OM1000-SBC Session Border Controller is tailor-made for real-time VoIP communication, used for interconnecting IP voice services in different IP domains, realizing interoperability and traffic convergence of IP sessions in different locations and providing network security.

The OM1000-SBC is typically deployed at the edge of a VoIP service provider network (between the soft switch platform and the VoIP gateway) or at the exit of an enterprise/VPN network. It can easily and securely connect IP sessions from off-site branches of an enterprise to the IP-PBX that deployed in the enterprise via VPN or Internet, or connect the UC platform deployed in the enterprise intranet to the carrier's IP communication service network (e.g. IMS platform)

High Performance

OM1000-SBC packet forwarding delay is less than 30 milliseconds, which can guarantee high quality voice call quality. The maximum registered users can reach 3000, and the maximum concurrent capacity is not encrypted 600 / encrypted 300) to meet the requirements of enterprise voice communication volume.

High Security

OM1000-SBC supports security protection methods including: signaling and media stream encryption, media stream and signaling stream filtering, interception of illegal IP packets, topology hiding, firewall access control, prevention of malicious attacks, security log information, network failure monitoring, log-in security (Web log-in anti-violence cracking, password complexity verification, Telnet/SSH opening control, Web access white-list, Telnet access white-list)

High Compatibility

OM1000-SBC supports multiple protocols: SIP(UDP), TCP/UDP/IP, MSRP, RTP/RTCP, HTTP/HTTPS, ARP, DNS, NTP/SNTP, FTP, CMP, etc., with strong compatibility.

Convenient and multiple ways remote management

OM1000-SBC provides a friendly graphical Web operation interface, which is easy to use. It supports remote upgrades and maintenance, and the device is easy to maintain on a daily remote basis. In addition, it also supports connecting to third-party network management system via TR-069.

Rich Functionality

Provides multiple network ports to connect different IP2, media stream and signaling encryption/decryption, supports TLS/SRTP, traverses firewall/NAT, allows media streams to cross extranet and private network, SIP terminal registration and authentication, supports connection to primary and backup SIP registration servers, VoIP protocol port transformation, voice proxy for voice and video media packet forwarding, supports TR069 remote management protocol and Web user interface to cross firewall/NAT.

Specification

Protocols

Network	Telnet, SSH, HTTP, HTTPS, DNS, ARP, DNS, NTP/SNTP, ICMP
Media	SIP(UDP), TCP/UDP/IP, MSRP, RTP/RTCP
QoS	IP TOS
Media Agency	RTP packet forwarding for media streams, firewall traversal, local/remote NAT traversal
Register	Supports registration and authentication of terminals
Signaling message fragmentation	Support signaling message fragmentation; maximum MTU is 1500 bytes

Security

Protocols	HTTP/HTTPS, SFTP, SSH, TLS/SRTP
Port Customization	SIP port, HTTP/HTTPS access port, RTP port
Encryption	TLS/SRTP, Signaling encryption, media stream encryption
Security method	Media stream/signaling stream filtering, interception of illegal IP packets, NAT address hiding, support for encryption/decryption of media streams and/or signaling, security logging information
Log-in Safety	Web log-in anti-breach, password complexity check, Telnet/SSH open control, Web access white-list, Telnet access white-list
Web/Telnet White-list	Support, white-list settings do not support matching by network segment, only exact matching, the maximum number of added entries is 30

Function

Audio、Video	Support
Support max platform	Max 5 soft switch platform
Deployment	UC2.2/UC1.0/IPT networking: support deployment at the boundary of large and small networks and behind NAT (proximal NAT). UC2.0 networking: support deployment at the boundary of large and small networks, do not support deployment behind NAT"

Maintenance

Log backup	Support operation log and debug log automatically dumped to SD card
Unified Management	New Rock UMS 3rd party UMS, support SNMP, TR-069 (TR-104、TR-106)
Support HTTP Web GUI	Chinese/ English
Remote Maintenance	SSH, Web, Telnet
Static routing table configuration	Support

Certificate

Network entry license	The license is issued by the Ministry of Industry and Information Technology of the People's Republic of China, license number: 04-A555-203121
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Hardware

Port	RJ45, 4×10/100/1000 Base-T,
SD card port	1
CON Port	RJ45
RAM	512MB
Flash	64MB
H×W×L (1U)	44×440×300 mm
Net weight	Max 3kg
Single/Dual AC power supplies	100 to 240 VAC, 50/60 Hz, 1A maximum
Single/Dual DC power supplies	-36 to -72 VDC, 2.5A
Power	18W
Mounting	Rack
Operating	Temperature: 0 to 40°C, Humidity: 10 to 90% RH (non-condensing)
Storage	Temperature: -10 to 60°C, Humidity: 5 to 90% RH (non-condensing)