

# SBC

## Session Border Controller

**UB-SBC500**



### Product Description

UBIQCOM UB-SBC500 provides rich SIP-based services such as safe network access, robust security, system interworking, flexible session routing & policy management, QoS, media transcoding and media processing for small-and-medium telecommunication operators. With distributed multi-core processor, rear panel for non-blocking gigabit switching data network, embedded Linux operating system, UB-SBC500 delivers high capability while achieves low power dissipation.

It supports 500 concurrent SIP sessions and transcodes up to 200 concurrent calls, and allows encrypted sessions via TLS and SRTP. The session border controller supports transcoding of G.729, G.723, G.711, G.726, iLBC, AMR and OPUS. Besides, it also supports WebRTC, allowing desktop and mobile browsers to initiate and receive calls to/from your SIP service over WebSocket and WebRTC completely transparently.

### Product Features

- Supports up to 500 SIP sessions and 200 transcoding sessions
- Support WebRTC2SIP to turn WebRTC client into a phone with audio capability
- SIP trunks & flexible routing rules for accessing IMS
- Embedded VoIP firewall, prevention of DoS and DDoS attacks
- Bandwidth limitation and dynamic white list & black list
- QoS, static route, NAT traversal
- Import & export of remote upgrade and configuration data
- User-friendly web interface, multiple management ways

# UB-SBC500 Session Border Controller

## Physical Interfaces

### Ethernet Ports:

4\* 10/100/1000M Base-T Ethernet ports  
1\* 10/100/100M Base-T (Admin)

1\* USB 2.0

Serial Console

1\* RS232, 115200bps, RJ45

## Media Capabilities

Voice, FAX support

Codecs: G.729, G.723, G.711, iLBC,

G.726, OPUS

RTP Transcoding

Pass-through fax

No RTP detection

One-way audio detection

RTP/RTCP,SRTP

RTCP statistics reports

DTMF: RFC2833, SIP Info, INBAND

Silence Suppression

Comfort Noise

Voice Activity Detection

Echo Cancellation

Adaptive Dynamic Buffer

## Environmental

Power Supply: 1+1,100-240VAC, 50-60 Hz

Power Consumption: 15W

Operating Temperature: 0 °C ~ 45 °C

Storage Temperature: -20 °C ~80 °C

Humidity: 10%-90% Non-

Condensing Dimensions (W/D/H):

437\*300\*44mm

Unit Weight: 4.5 kg

## Capabilities

Concurrent Calls

Supports up to 500 SIP sessions

Transcoding

Supports up to 200 transcoding calls

CPS for Call

25 calls per second at maximum

Registrations

Maximum SIP registrations: 5000 CPS

for Registration

25 Registration per second

SIP Trunks

Unlimited SIP Trunks

## Security

Prevention of DoS and DDoS attacks

Control of access policies

Policy-based anti-attacks

Call Security with TLS White

List & Black List Access Rule

List Embedded VoIP Firewall

## Call Control

Dynamic load balancing and call routing

Flexible Routing Engine

Call routing base on prefixes

Call routing base on caller/called number

regular express

Call routing base on time profile

Call routing base on SIP URI

Call routing base on SIP method

Call routing base on endpoint

Caller/ Called number Manipulation

## VoIP

SIP 2.0 compliant, UDP, TCP, TLS

SIP trunk (Peer to peer)

SIP trunk (Access)

SIP Registrations

B2BUA (Back-to-Back User

Agent) SIP Request rate limiting

SIP registration rate limiting

SIP registration scan attack

detection SIP call scan attack

detection

SIP anti-attack

SIP Header manipulation

SIP malformed packet

protection Multiple Soft-

switches supported QoS

(ToS, DSCP)

NAT Traversal

## Maintenance

Web-bases GUI for

Configurations Configuration

Restore/Backup HTTP

Firmware Upgrade

CDR Report and

Export Ping and

Tracert Network

Capture System log

Statistics and Reports

Multiple language support

Centralized management

system Remote Web and Telnet

UBIQCUM INDIA PVT. LTD.

Corporate Office: D-92, First Floor, Sector - 63, Noida, UP-201301 | Website: www.ubiqcom.in | Email: info@ubiqcom.in

Sales: +91 99 10 77 17 97 | Support Toll Free: 1800-1212-051

Branch Offices: Delhi, Noida, Mumbai, Pune, Chandigarh, Bengaluru, Hyderabad, Ahmedabad, Chennai, Kolkata, Kochi