



# Technical Specification

REVE SBC

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## Supported Protocols

SIP (RFC 3261), SIP-I, SIP-T

Media: RTP

## Codec Support

Audio :

In conversion mode: OPUS, G.711 , G.729 and in G.723 AMR

Transparent mode all Standard codec

Video : H.264, VP8

## Web Server

Jakarta, Apache

## SMS

SMPP & HTTP

## Database

Oracle, MySQL

## Platform

Linux / Unix Based

## Architecture

Supports distributed Architecture for Robust deployment

### **Supported Protocols & Session Control**

- SIP v.2.0 (RFC 3261, RFC 4566), SIP-I
- SMPP v3.4 protocol for SMS and HTTP
- SIP REDIRECT
- RADIUS
- RFC 3863, 3428, 3903, 3515
- Caller-Carrier PTIME isolation
- Media Monitor
- Rated CDRs Stored in server
- SIP Header Manipulation/Topology Hiding
- Error Code Adaptation
- Support for Proxy and Non Proxy

### **Installation Platforms**

- Supports Unix/Linux Based Platform

### **System Architecture**

- 1+1 Hot Standby
- Supports distributed Architecture for Robust deployment
- Real time data backup

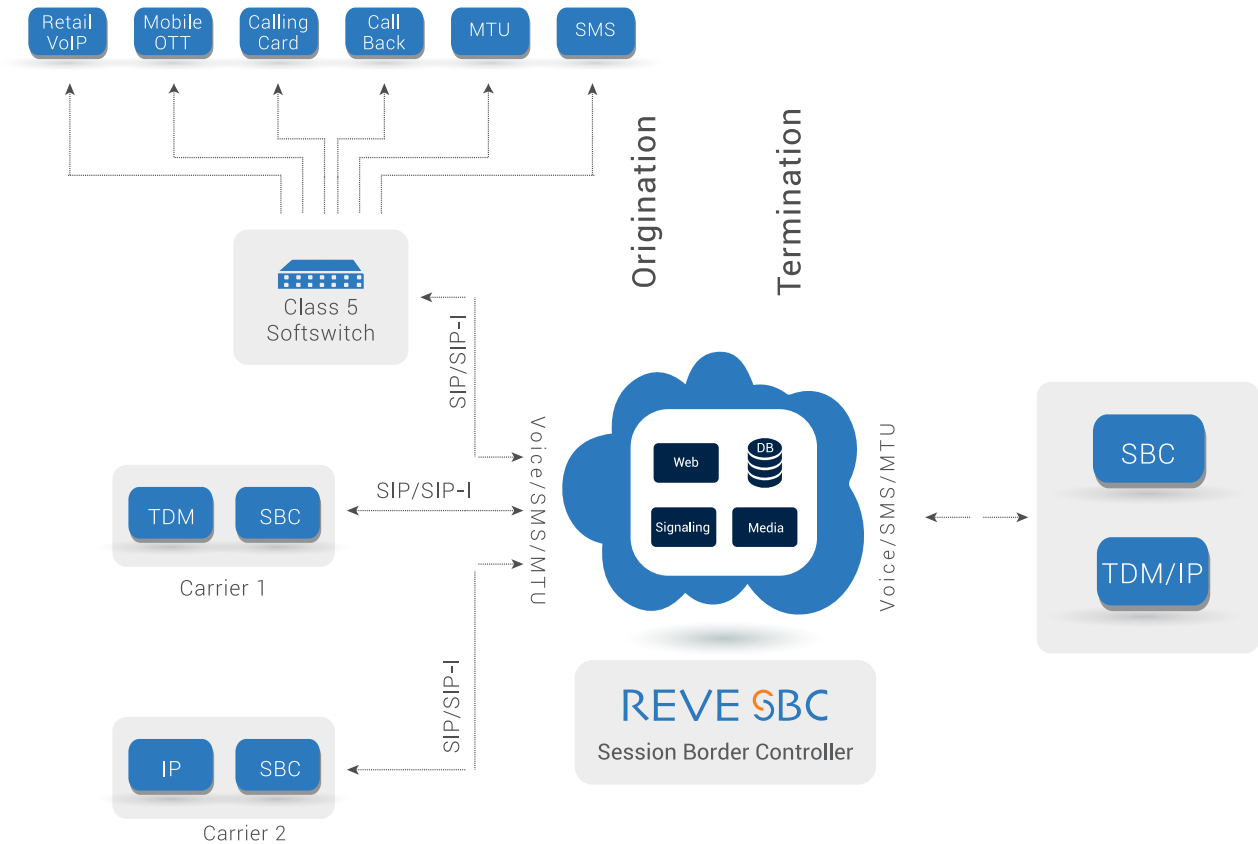
### **Tones & Media Functions**

- T.38 Fax Relay Protocol

### **WebRTC Functionality**

- Compatible with any client that complies with WebRTC standards.
- SIP over Secure WebSocks
- ICE/STUN
- SIP Internetworking

# SOLUTION ARCHITECTURE



**Continuously Maintain 1,500+ CPS in a Standard Server with Smooth Performance**

Server Specification	Media Proxy	Concurrent Call/Per Server
CPU (s) : 6 Cores (12 Core by using Hyper Thread)	Yes	5,000
Processor Model : Intel(R) Xeon(R) CPU E5-2430 0 @ 2.20GHz		
Cache Size : 262144KB		
Total Memory : 32 GB (DDR3, Speed: 1600 MHz)	No	15,000
HDD : 4 X 500 GB (RADID 5, 7.2 K RPM SATA)		
NIC Card Speed : 1000 Mb/s		

Server Specification	Media Proxy	Concurrent Call/Per Server
<b>Server Specification Media Proxy Concurrent Call/Per Server</b> CPU : 2 x Intel Xeon CPU E5-XX @ 3.00 GHz (6 Core in each processor) RAM : 32 GB (RDIMM, 2400MT/s, Dual Rank, x8 Data Width) HDD : 6 X 500 GB (RADID 5, 7.2 K RPM NLSAS 6 Gbps) RAID Controller : PERC H730 Integrated RAID Controller,2 GB Cache Network: 2 Physical Interfaces with 1000 Mbps Speed	Yes	10,000
CPU : 2 x Intel Xeon CPU E5-XX @ 3.00 GHz (6 Core in each processor) RAM : 32 GB (RDIMM, 2400MT/s, Dual Rank, x8 Data Width) HDD : 6 X 500 GB (RADID 5, 7.2 K RPM NLSAS 6 Gbps) RAID Controller : PERC H730 Integrated RAID Controller,2 GB Cache Network: 2 Physical Interfaces with 1000 Mbps Speed	No	20,000

## SYSTEMS PERFORMANCE TEST

### Server Specifications

- CPU (s): 6 Cores (12 core by hyper thread)
- Processor Model: Inter(R) CPU E5-2430 0 @ 2 2.20GHz
- Cache size: 262144B
- Total Memory: 3 GB (DDR3, Speed: 1600 NHz)
- HDD: 4 x 500 GB (RADID 5, 7.2 K RPM SATA)
- NIC Card Speed: 1000 Mv/s (Twisted Cable)

### Result

- Concurrent Call Capacity
- Proxy mode: 5000
  - Non-Proxy Mode: 20000
  - Transcoding Mode: 3000
  - CPS Value: 1500
  - BHCA: 5,400,000