Product Name: Sonus SBC-1000 Session Border Controller

Manufacturer: Sonus

Model Number: SBC-1000

Sonus SBC-1000 Session Border Controller

The Sonus SBC-1000 Session Border Controller is an advanced SBC built for smaller enterprise networks which delivers robust security, high availability and proven interoperability with leading business solutions like Microsoft Lync Server. The Sonus SBC 1000 also features built-in Survivable Branch Appliance (SBA) functionality, so calls go through even if your wide area network goes down.

Sonus SBC-1000 Session Border Controller - Technical Specifications

System Capabilities

- Sessions
- Maximum number of SIP-to-SIP calls: 160
- Maximum number of TDM-to-SIP calls: 84
- Maximum number of total concurrent calls: 160
- Maximum number of transcoded sessions (based upon codec type): 120
- Call Set-Up
- Maximum call set-up rate: 4 cps
- Registrations
- Maximum number of registered users: 600
- Encryption
- Maximum number of TLS sessions: 160
- Maximum number of SRTP sessions: 160
- Business Continuity
- Bypass relays (PRI-PRI, FXS-FXO) for emergency calls (e.g., 911)
- PSTN fallback when WAN is down
- Survivable Branch Appliance (SBA) for Lync
- Resilient Branch Appliance for Lync survivability over 3G/4G or secondary IP connection such as DSL
- Multiple SIP trunking service provider support for redundancy
- Site survivability through built-in SIP registrar
- ITSP E911 Support

Management Capabilities

- Operations, Administration and Management
- Single, secure, web-based GUI
- REST-based programmatic interface to remotely manage multiple SBC 1000s
- SNMP v2/v2c for comprehensive network management using third-party management systems
- Configuration backup and restore; Configuration upload from one site to another; Partial configuration import/export through REST
- CDR reporting
- Microsoft SCOM support
- Syslogs for troubleshooting, with support for free Sonus LX syslog server and log parser tool
- Historical Stats and TCAs
- Authentication
- Local user (User name/password)
- Active Directory
- RADIUS

Media Services

• G.711 (64 kbps A-law, Mu-law), G.723.1 (5.3 kbps, 6.3 kbps), G.726 (32 kbps), G.729A/B (8 kbps)
• G.711 to T.38 transcoding for SIP trunks
• T.38 with CNG tone detection
• DTMF/RFC4733; Inband DTMF
• Voice Activity Detection (VAD)
• G.168 Echo Cancellation with standard 128 ms tail length
• Private-side NAT traversal
• Comfort Noise Generation and packet loss concealment
• Automatic call type detection â€” voice, fax or modem
• Music on Hold
• Generate call progress tones â€” ringback, busy, re-order
• RTP inactivity monitoring (dead call detection)
• RTP Proxy
• RTCP/RTCP-XR
• Caller ID Support

Weight

• 12.5 lbs. (5.67 kg)

Please Enquire