

Sonus SBC-2000 Session Border Controller



Product Name: Sonus SBC-2000 Session Border Controller

Manufacturer: Sonus

Model Number: SBC-2000

Please Note: Sonus SBCs are highly customisable depending on the solution required. Before you enquire, please have answers to the following questions. This product may also have a lead time of up to 1-2 weeks.

Sonus SBC-2000 Session Border Controller

The Sonus SBC-2000 Session Border Controller is an advanced SBC designed to help medium-sized enterprise networks safely and cost effectively embrace the new world of SIP-based communications, such as Voice over IP (VoIP). The SBC 2000 delivers all of the features you would expect from the Sonus family of SBCs, including robust security, high availability and proven interoperability with leading business solutions like Microsoft Lync Server. The Sonus SBC 2000 also does something you wouldn't expect: It allows calls to go through even when your WAN goes down, through its unique Survivable Branch Appliance functionality.

Sonus SBC-2000 Session Border Controller - Technical Specifications System Capabilities

- Sessions
- Maximum number of total concurrent calls: 600
- Maximum number of TDM-to-SIP calls: 480
- Maximum number of SIP-to-SIP calls: 600
- Maximum number of transcoded sessions (based upon codec type): 600
- Call Set-Up
- Maximum call set-up rate: 4 cps
- Registrations
- Maximum number of registered users: 1,000
- Encryption
- Maximum number of TLS sessions: 600
- Maximum number of SRTP sessions: 600
- Business Continuity
- 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 2000s
- 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 and local logging for troubleshooting, with support for free Sonus LX syslog server and log parser tool

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- Historical Stats and TCAs
- Authentication
- Local user (User name/password)
- Active Directory
- RADIUS

Media Services

- Transcoding up to 600 concurrent calls: 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 — voice, fax or modem
- Music on Hold
- Generate call progress tones — ringback, busy, re-order
- RTP inactivity monitoring (dead call detection)
- RTP Proxy
- RTCP/RTCP-XR
- Caller ID Support

Weight

- 23 lbs. (10.43 kg)

Sonus SBC Sizing Qualification

What is the SBC deployment method/architecture? (Per site)

- “Downstream” - SBC connects to either PSTN or PBX? (& Lync/SfB)
- “Upstream” - co-existence/migration - SBC connects to both PSTN and PBX? (& Lync/SfB)

How many PBX/UC connections does Sonus SBC need to support? (Per site)

- PRI/ ISDN30/ E1 - Number of channels or trunks to PBX (confirm signaling type ETSI/QSIG) (Important: DASS2/DPNSS not supported)
- BRI/ ISDN2 - Number of channels or trunks to PBX?
- Analogue - Number of anticipated analogue (FXS) endpoints including analogue phones (PoT), fax machines, PDQ, lift phones etc
- SIP and/or Microsoft Lync/’Skype for Business’ sessions - Number of concurrent calls/channels?

How many PSTN connections does Sonus SBC need to support? (Per site)

Specify quantity and type?

- SIP Trunk sessions - Number of concurrent calls/channels to PSTN
- PRI/ ISDN30 /E1 - Number of channels or trunks to PSTN (confirm signaling type ETSI/QSIG) (Important: DASS2/DPNSS not supported)

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- BRI/ ISDN2 - Number of channels or trunks to PSTN
- Analogue - Number of FXO ports/line to PSTN

Microsoft Lync/Skype for Business Deployments

Is SBA required? Survivable Branch Appliance (SBA)

If yes, how many local Lync users will register with SBA?

Is Sonus SBC to process inbound/outbound ACD/Call Center Calls? (Per site)

If yes, please specify

- Inbound, Outbound, or Both
- What is the expected CPS (Calls Per Second) setup rate?
- Is a predictive dialer in use?

Is there anything else we should know about?

Please Enquire
