

Ribbon Communications SBC 1000 Gateway

Product Name: Ribbon Communications SBC 1000 Gateway

Manufacturer: Ribbon Communications

Model Number: SBC1000



Ribbon Communications SBC 1000 Gateway

The Ribbon Communications SBC 1000 Gateway provides a safe, dependable gateway to VoIP communication with a wide range of SIP service provider environments for small and medium-sized businesses with legacy phone infrastructure. The SBC 1000 Gateway is a supplement to the regular SBC 1000 service, designed for TDM-SIP use cases with the ability to expand to IP-IP call flows if needed. The SBC 1000 Gateway provides any-to-any communication between FXS, FXO, BRI, PRI, and SIP endpoints or devices, allowing for a quick transition to SIP-based networks while keeping current PBXs or analogue devices.

There are variants of this item available:

• 1/2 Ribbon SBC1000 CHASSIS W/ 1 MEDIUM DSP. SIP:SIP LICENSABLE

• 1/2 Ribbon SBC1000 CHASSIS W/ 3 MEDIUM DSPS. SIP:SIP LICENSABLE

• 1/2 Ribbon SBC1000 CHASSIS W/ 3 MEDIUM DSPS, SBA. SIP:SIP LICENSABLE

• 1/2 Ribbon SBC1000 CHASSIS W/ 1 PRI, 4 FXO, 4 FXS, 2 MEDIUM DSPS; LICENSABLE GROWTH TO 4 PRI, 16 FXS, 8 FXO, SIP:SIP LICENSABLE

• 1/2 Ribbon SBC1000 CHASSIS W/ 1 PRI, 4 FXO, 4 FXS, SBA, 2 MEDIUM DSPS, LICENSABLE GROWTH TO 4 PRI, 16 FXS, 8FXO SIP:SIP LICENSABLE

The Ribbon SBC 1000 Gateway assists businesses in lowering communication expenses, enabling Unified Communications (UC), and protecting their networks from IP-based assaults. Small enterprises and branch offices can now benefit from the same industry-leading SBC technology in a specially built device for their needs. Advanced capabilities can be remotely activated via a simple licence, removing the need for a truck-roll and an on-site expert, and the SBC 1000 Gateway is built for ease of deployment and growth. The Ribbon SBC 1000 Gateway also has a lot of I/O and call capacity, as well as built-in survivability for TDM, FXx, and SIP devices, so calls can still go through even if the WAN goes down.

• 1/2 Secure signaling, media and management
• Robust media transcoding including SILK and OPUS

• 1/2 Prevention of Denial-of-Service (DoS) and Distributed DoS (DDoS) attacks

• 1/2 3 step easy configuration wizard to simplify deployment

• 1/2 Centralized management via EdgeView Service Control Center

• 1/2 PSTN fallback in case of WAN or cloud provider disruptions

• 1/2 Rapid Ethernet port fail-over, to maintain in-progress calls

• 1/2 Site survivability for Microsoft Teams clients and industry-standard SIP clients

• 1/2 Support for redundant SIP trunking providers

• 1/2 911 call preemption

• 1/2 Microsoft 365® Phone System E911 support; SIP PIDFLO pass through and ELIN Gateway

Zoom™, BroadSoft™, Yealink®;, Poly®;, and other popular services and products are also certified on the SBC 1000. A built-in deployment wizard has popular PBXs, cloud UC services, and service provider configurations pre-populated, making deployment as simple as pointing and clicking. Most importantly, the SBC 1000 and SBC 2000 have been used to secure communications for businesses of all sizes all over the world for tens of thousands of times. Ribbon Communications SBC 1000 Gateway - Technical Specifications
Security

Ribbon Communications SBC 1000 Gateway

- TLS (Transaction Layer Security) for signaling encryption – TLS 1.2 (RFC 5246)
- Secure Real-time Transport Protocol (SRTP) & Control Protocol (SRTCP) for media and media control encryption (RFC 3711)
- Multiple unique X.509 public key certificates/PKCS #12 files (up to 11)
- Wildcard certificate support
- Topology hiding; user privacy
- Prevention of Denial-of-Service (DoS) and Distributed DoS (DDoS) attacks
- Traffic separation (VLAN interface separation)
- Malformed packet protection
- Access Control Lists (ACLs)
- IPsec VPN tunnel
- NAT/NAPT and port forwarding; NAT traversal
- 2 GB on-board eUSB memory for secure, encrypted Active Directory replication

Please Enquire
