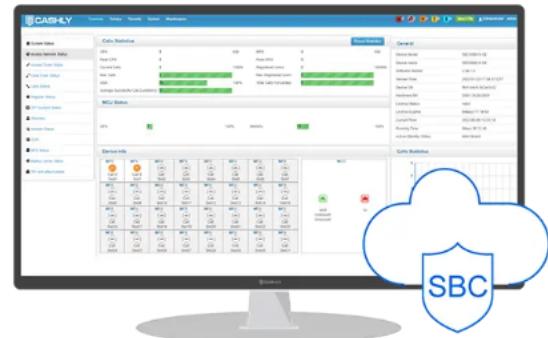


Description

The JSL-8000 is a high-performance software-based Session Border Controller (SBC) designed for enterprises, service providers, and telecom operators. It delivers robust VoIP security, seamless SIP interoperability, advanced media transcoding, and flexible deployment options on physical servers, virtual machines, or cloud environments. With powerful routing, policy control, and high availability, JSL8000 ensures reliable and scalable VoIP network operations.



Main Features

- High-capacity handling with up to 10,000 concurrent call sessions and 100,000 SIP registrations
- Strong VoIP security with SIP anti-attack, DoS/DDoS protection, and embedded firewall
- Flexible SIP routing, header manipulation, and number translation
- Advanced transcoding supporting G.711, G.729, AMR, OPUS, and more
- Full IPv4/IPv6 and WebRTC gateway support
- Deployment flexibility on physical, virtual, and cloud platforms
- Centralized management, CDR reporting, and real-time monitoring
- 1+1 High Availability for uninterrupted service

Specification

Performance	10,000 concurrent call sessions, 5,000 media transcoding sessions 100,000 SIP registrations, 800 CPS (Calls Per Second), Max. 25 SIP registrations/sec
Security	SIP anti-attack, SIP malformed packet protection, DoS/DDoS prevention, SIP request & registration rate limiting, SIP scan attack detection, Access control list (ACL), whitelist & blacklist, Policy-based security control
SIP & Routing	SIP 2.0 compliant (UDP/TCP/TLS), NAT traversal, Unlimited SIP trunks, SIP header and number manipulation, Flexible routing engine, Dynamic load balancing, IPv4-IPv6 interworking
Media & Codec	G.711A/U, G.723.1, G.729A/B, iLBC, AMR, OPUS
Management	Web-based GUI, Remote Web & Telnet access, CDR reporting & export, Network capture, ping, tracert, Configuration backup/restore
Deployment	Physical server, Virtual machine, Private cloud, Public cloud
High Availability	1+1 HA (Hot Standby)
Other Features	WebRTC gateway, HTTP firmware upgrade, SIP recording, Embedded VoIP firewall, System log