



Platform for Unified Communications

For Service Providers



Enterprises and consumers have more communications choices, devices and services than ever before. For Service Providers, this expanding communications universe creates new revenue opportunities even as it presents new challenges in terms of implementation complexity and operational expense.

The Ribbon Communications' Application Server (AS) provides a single platform to deliver a compelling set of Unified Communications (UC) services to both businesses and consumers. It seamlessly integrates with multiple Ribbon elements to extend voice and multimedia communications over any IP-based environment, whether fixed or mobile, as well as in legacy networks. It seamlessly connects to industry standard UC clients, IP phones and IP-PBXs.

Field Proven – Diverse Deployments

The Ribbon Application Server is field proven in hundreds of Service Providers across the globe. It's also deployed in select large enterprises and government agencies through Ribbon's enterprise partners. Regardless of the deployment model, service providers can be sure the solution is field-tested, ready for scalable deployment, and includes the capabilities their subscribers demand.

The Ribbon Application Server includes a unique Service Anywhere architecture that allows multiple instances of the AS to be deployed across multiple datacenters, including globally. Users can move across the provider's service area and automatically register to the closest Application Server, bringing their credentials, class of service and phone number with them. The AS uses a fully replicated database model so that any node can survive and deliver service to users, even with the complete loss of other nodes.

The Ribbon AS is fully virtualized, and can be deployed stand-alone or in concert with Ribbon's C20 Call Session Controller.

The Ribbon Application Server is part of a complete Ribbon solution that makes UC easier to deploy. Ribbon Session Border Controllers, Ribbon Analytics and Ribbon Call Trust can be easily added to expand the breadth and depth of the solution. Deployment and provisioning can be unified with Ribbon Application Management Platform (RAMP).

Exceeding Customer Expectations

The Ribbon Application Server is ideally positioned to serve the growing enterprise Unified Communications market with support for SIP devices from industry leaders like Poly, Yealink, Cisco & Tone Commander. In fact, the AS supports thousands of industry standard SIP devices to simplify legacy migrations. It also supports industry standard UC clients, enabling any device access to communication services.

If your customers are not ready to give up their premises PBX, the Application Server can still add value. The platform's session management services make SIP trunks more valuable by overlaying multi-site policy and mobility. The Ribbon Application Server can help simplify an enterprise's migration from premises to cloud/hosted services.

Have a diverse customer base? The Application Server is ready. The same platform that delivers business services has the scale and deployment options required to deliver Ribbon Residential Services. Don't let customers cut the cord, offer them a rich set of multimedia communications solution that add value to your residential subscribers' home number.

Services that Customers Demand

The Ribbon Application Server features include:

- Meet-me conferencing services
- Presence and Instant Messaging (IM)
- Subscriber Web portal
- IP Phone deployment tools
- Per call screening and management
- Simultaneous and sequential ringing
- Call Grabber
- Presence-based routing
- Mobile phone presence and calling
- Multiple device management
- Boss/Secretary and IP Attendant Console
- UCD services and Contact Center integration
- High-definition voice and video
- 3rd party voicemail integration
- Ribbon SBC Integration

Broad Interoperability

Ribbon has achieved interoperability success with the industry's leading IP PBXs and IP phone manufacturers, and has tested across all major broadband access types and all IP Protocols. To demonstrate compatibility with mobile VoIP and 4G/5G networks, Ribbon has also performed interoperability tests on industry-leading mobile devices, including iPhone, iPad, and Android-based devices.

Key Specifications

- Feature Richness: Comprehensive IP voice and multimedia feature set for business and residential users
- Multi-tenancy: allows for SMB and reseller models
- Scalability: from hundreds to millions of subscribers
- Extensibility: Open Programmability Suite with SOPI and RESTful APIs
- Flexibility: deployable as a Standalone SIP Application Server, in conjunction with IMS-compliant Call Server or embedded within industry-leading C20 Call Session Controller
- Reliability: more than 99.999% reliability and geographical resiliency and redundancy
- Cloud-ready: fully virtualized architecture

Diverse Hardware Support

- Virtualized architecture
- NEBS compliant hardware options
- Fully redundant configuration available with 1+1 hot stand-by

Protocols Supported

- Session Initiation Protocol (SIP 3GPP, SIP IETF)
- AS-SIP
- SIP-Telephony (SIP-T)
- RTP/SRTP
- H.263, H.264 and VP8 video

Web Services

- REST
- SOAP/VXML
- HTML5
- JAVA
- Application Control Interface (ACI)
- TR-87

Management

- SNMP
- XML
- SOAP/HTTP
- Ribbon Provisioning and Portals
- RAMP

Broadband Supported

- Cable Multimedia
- FTTx
- xDSL, PRI/T1/E1
- WiFi
- 4G/5G

Contact Us

Contact us to learn more about Ribbon solutions.