

Tactical Edge Communications System

Rapid deployment of secure, command-ready communications



Common Communications Challenges

- Establish a highly secure and robust communications environment anywhere
- Leverage common communications software that is easy to deploy in any environment
- Communicate effectively in forward or hostile environments with extremely limited bandwidth
- Enable command post mobility including MLPP services



Advance Tactical Communication Capabilities

U.S. forces need tactical communication capabilities that enable them to counter emerging threats in a more agile manner, without sacrificing security, mobility or scale. All while taking advantage of innovations in software virtualization and hardened commercial hardware that delivers a small physical footprint and reduced cost. Ribbon enables the modern warfighter to extend secure battlefield communications to cover greater distances, improve tactical mobility and rapidly establish secure C2 services anywhere.

Proven Design - Modern Deployment

Ribbon has decades of experience delivering communications technology to some of the DoDs largest and most important facilities and networks. Meeting those expectations serves as the foundation for our modern interpretation of tactical communications.

Ribbon is leveraging its investment in virtualized software to seamlessly integrate multiple elements of its APL-certified Application Server and Session Border Control Technology and deliver them on lightweight hardened hardware platforms (e.g., Crystal Rugged, Klas, Acuity, etc.). Deploy in standalone environments (ships, bases, etc.) or use to set-up mobile commands anywhere.

One Software Instance Enables



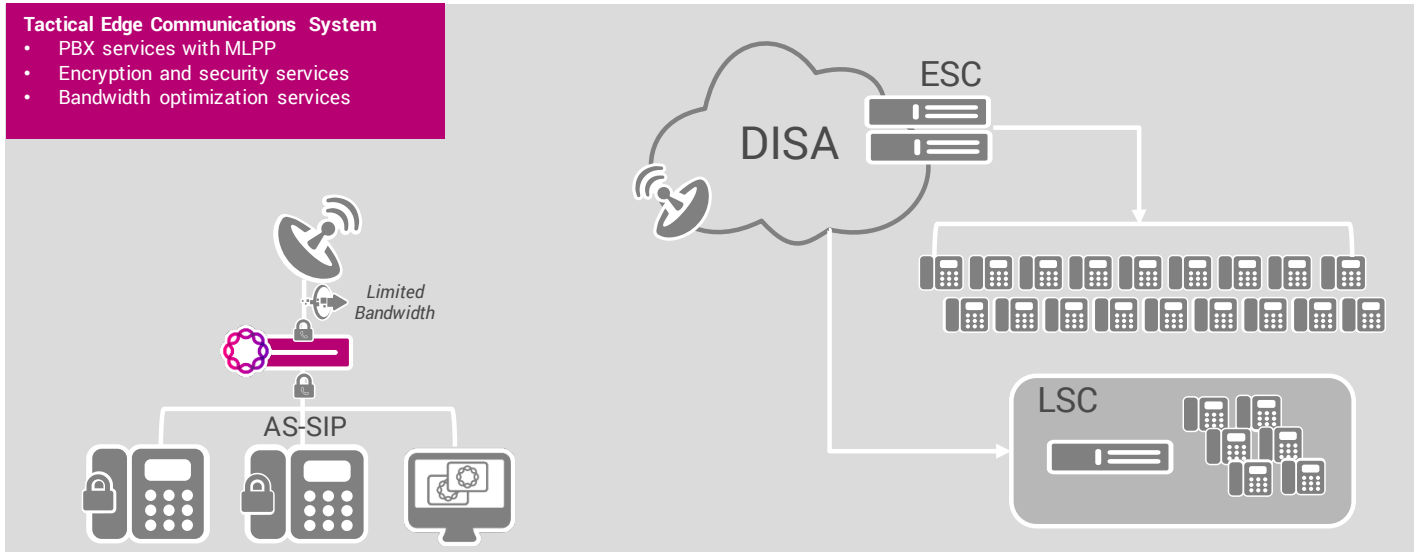
A full-featured local phone network that can support up to 1,000 users with full C2 services. Supports both hard and softphones.



A robust Session Border Control function that manages encryption of media and session control, thwarts attacks and simplifies interoperability.



A compelling set of bandwidth optimization techniques that enable the tactical environment to stay connected, even on low bandwidth or degraded links.



Multiple Deployment Models

Ribbon's Tactical Edge Communications System is fully virtualized software. This architecture offers adaptability to a number of different platforms and missions including deployment as a permanent communications system at a base, depot or naval vessel. Conversely it can be loaded on back-pack ready hardware and set-up in minutes as a mobile command post. The system's session border control services helps secure the endpoints, thwart attacks and uses unique bandwidth optimization services to make it practical to connect on low bandwidth or degraded links that are common across the globe.



Powerful – Integrated - Simple – Better Value

Ribbon's Tactical Edge Communications System is built on the same software stack that powers and secures millions of seats in the DoD. We've reduced the footprint, scale and administrative complexity, not the capabilities. The result is a secure, agile solution that is easy to deploy and use as well as cost effective to procure. It stands alone as compared to alternative solutions that require the warfighter to choose between communication capabilities and agile deployments. Ribbon's Tactical Edge Communications System delivers both and more.

Contact Us

We are here to help. Let us know if you are interested in a quote or if you have any questions.

Solution Services

Distributed APL Certified Call Control and Session Border Controller

- Every system has complete autonomy to operate as a C2 asset
- Scales to 1,000 users
- Deploy as full communication system or as a mobile command post
- Deploy with hard phones or softphones
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Built-in Security, Administration and Transport

- Integrated session border controller with a stateful, VoIP aware firewall
- TLS, SRTP, HTTPS, SSH
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Designed for DoD Deployments

- AS-SIP, MLPP, ASAC, VTP

Industry leading bandwidth efficiency and QoS

- Ensures real-time services work over error-prone, high-delay, bandwidth limited connections

Virtualized Software Solution – Uses Common Hardened Platforms

- Crystal Rugged, Klas, Tyto Acuity, etc.