

## Ribbon Solutions for Rural Mobile Networks



“The one-stop Rural Mobile Network Shop”

Ribbon's solution for Rural Mobile is optimized to meet the needs of rural operators, it supports WISPs and Mobile Operators delivering Fixed Wireless Access (FWA) services to customers with limited fixed connectivity as well as wireless services to mobile customers.

IP Optical Domain Orchestration for Rural Mobile Networks

- Simplify life-cycle management through visualization and optimization of your multi-layer IP and Optical network infrastructure with automated provisioning of VPN and voice services
- Deliver valuable trend-analysis, resource optimization, and network troubleshooting through machine learning based Analytics for all data and voice services
- Seamless integration with your existing platforms and all ecosystem partners via industry standard, open APIs



IP Wave provides Optimized IP Optical Transport for Rural Mobile

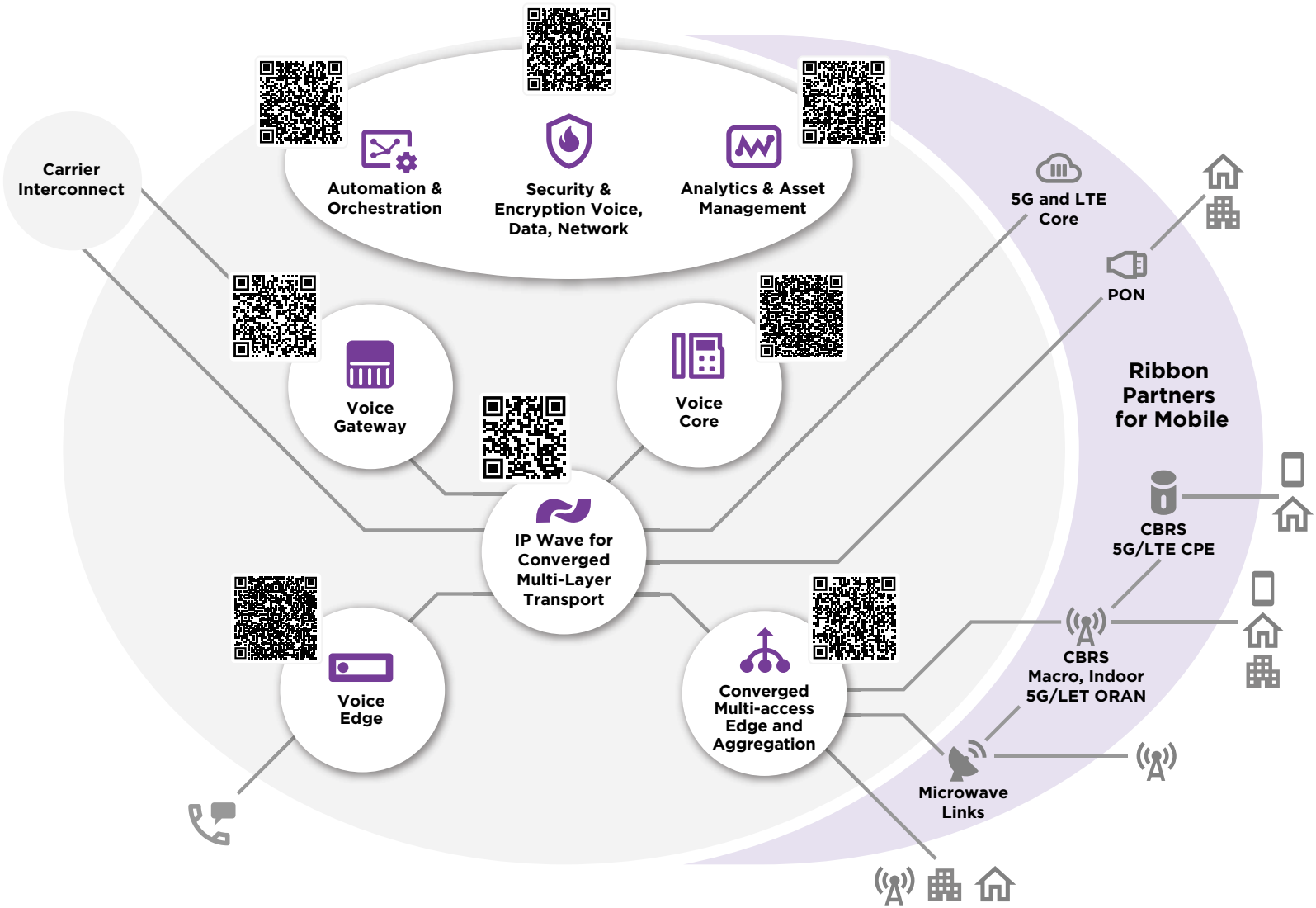
- Industry's most cost-effective router portfolio purpose-built for ISP architectures and services. Our IP/MPLS software stack is supported across a broad range of platforms from access to internet-peering for optimizing your cost-performance- capacity objectives
- Fully-featured and industry interoperable IP/MPLS with support for critical ISP VPN services such as L2 VPNs, L3 VPNs, and EVPNs served by prevailing and emerging MPLS conventions and Segment routing

- Broad portfolio of optical systems ideal for the ISP business objectives of maximizing and monetizing fiber assets, optimizing network infrastructure costs, reducing maintenance costs and supporting pay-as-you grow network designs
- Comprehensive voice solution set for delivering services required for government funding regulations, from voice core application servers to CPEs for business customer visibility and service quality

Partnerships

- Strong partnerships with leading suppliers of wireless components for end-end design collaboration and proven, certified interoperability to optimize service quality and simplify operations
  - ✓ Point-to-Point Wireless Links
  - ✓ Point-to-Multipoint wireless AP and CPE
  - ✓ PON and XGS-PON fiber deep edge solutions
  - ✓ LTE and 5G Core VNFs
  - ✓ End-end integration services
  - ✓ End-end engineering services
- Full cradle-grave engagement model across design collaboration, implementation services, support services, and customization of life-cycle management features and functions

Market Leading Solutions for Mobile Network Operators



### Message from Our CEO

Dear Valued Ribbon Customer,

It is an exciting time to be in the wireless industry!

The demand for great communications services has never been stronger, especially in our rural and underserved communities. One of the greatest challenges facing not only the communications industry, but many countries in general, is how to best bridge the digital divide.



Wireless service providers play a vital role in delivering high-speed internet access and other advanced communications services to your local customers and residents. Ribbon has a longstanding and rich history with our wireless customers. We not only strive to be trusted partners but are significantly invested in ensuring your success. We pride ourselves on helping you better serve your customers. Whether it is restoring communications services immediately following a natural disaster or providing support after major emergencies - we are there when you need us.

We also take a great deal of pride in delivering world-class voice and data communications solutions that not only connect and protect our wireless customers and their end-customers, but are also deployed in many of the largest communications networks in the world. For decades Ribbon has serviced and supported our customers' voice networks and we can now provide you with best-in-class solutions as you build out your IP and Optical data networks.

You are playing a critical role in helping to close the 'digital divide'. At Ribbon, we have a great portfolio of products and services and look forward to assisting you in addressing this challenge head on!

Thank you for your trust and for your business.

Bruce McClelland  
President and CEO  
Ribbon

**Contact Us**

Contact us to learn more about Ribbon solutions.