

Rajant Integrated Point-to-Point (P2P) Connectivity

Reliable Long-Distance Backhaul with Kinetic Mesh® Flexibility

Extend reliable connectivity over long distances using Rajant's Integrated Point-to-Point (P2P) solution. Built on existing BreadCrumb® technology, Rajant delivers dependable long-range backhaul today while providing the flexibility to evolve into a full Mesh-Over-Everything network as operational needs change.



Description

Rajant's Integrated P2P Connectivity Solution combines long-range P2P communications with the resilience and flexibility of Kinetic Mesh® networking.

Designed for environments where fiber isn't practical, Rajant delivers reliable long-distance connectivity while providing a seamless path to Kinetic Mesh using the same BreadCrumb platform.

Designed for mining, ports, utilities, industrial facilities, or temporary deployments, the solution delivers reliable connectivity that adapts as operations evolve.

Key Differentiators

Integrated Network Flexibility: The product's ability to seamlessly integrate P2P and mesh networking provides unparalleled flexibility in deployment scenarios. This integrated approach allows for robust, direct P2P connections where needed, while also offering the adaptability of mesh networks to cover areas where P2P connections might be less reliable or not feasible.

Enhanced Resilience and Reliability: Leveraging Instamash® technology, the product ensures continuous communication even in the event of P2P link failures, automatically rerouting data through the most efficient paths. This self-healing capability minimizes downtime and maintains network performance under varying conditions, offering superior reliability compared to traditional solutions.

Cost Efficiency: By combining two networking technologies in one solution, the product potentially reduces the need for additional hardware and simplifies equipment management and troubleshooting, leading to cost savings in both deployment and operation. This efficiency can be a significant advantage over competitors that require more components and more management overhead to achieve the same level of connectivity.

Key Features

Integrated P2P + Mesh

Combine long-range backhaul with Kinetic Mesh® flexibility using the same BreadCrumb® platform.

Dynamic Path Selection

Automatically selects the most efficient communication path for reliable performance.

Simple Management

Manage P2P and mesh connections through one platform.

Self-Healing Network

Automatically reroutes traffic around failures to maintain communications.

Scalable Architecture

Expand from a single P2P link into a larger mesh network as operational needs grow.

Industrial Security

Built-in encryption and authentication protect critical communications.

Reliable in Harsh Environments

Engineered for demanding industrial, mining, port, utility, and remote deployments.

Problems Solved (Benefits)

- Reduce infrastructure costs where fiber or trenching isn't practical
- Extend reliable connectivity beyond the edge of an existing mesh network
- Eliminate the need for separate P2P and mesh solutions
- Simplify network management through a single wireless platform

Markets Served

- Mining • Oil & gas • Ports • Utilities • Construction

**NOT BOUND BY DISTANCE.
NOT BOUND BY INFRASTRUCTURE.
Build today. Scale tomorrow.**

Rajant's integrated P2P solution delivers reliable connectivity today with the flexibility to evolve as your operations grow. Learn more at www.rajant.com

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