BCICommander®
Features / Benefits / Value

BCICommander® Suite is a powerful, always-on network management suite for Rajant Kinetic Mesh® networks using Rajant BreadCrumbs®. The new subscription tiers allow networking teams to spend less time troubleshooting and more time driving results. Built for mission-critical industries such as mining, ports, construction, and defense, BCICommander® Suite empowers professionals with real-time visibility, automation, and actionable insights.

Service Overview

The **Advanced Tier** streamlines daily network management with centralized configuration, a brand new Network Operations Center (NOC) dashboard and enhanced mesh analysis. These features simplify oversight, reduce repetitive tasks, and allow IT teams to focus on more strategic priorities.

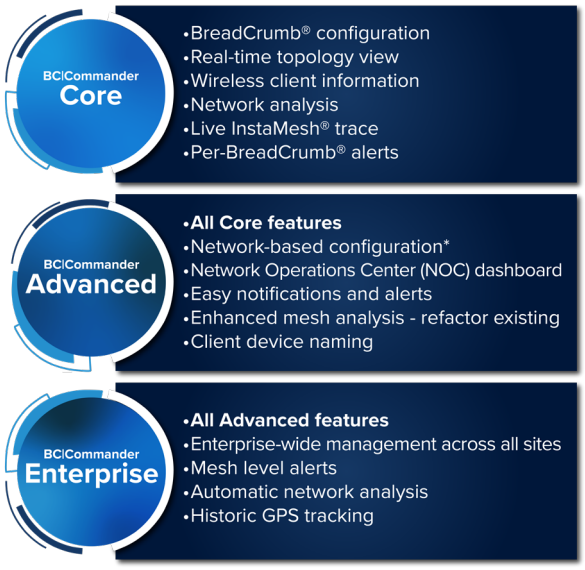
For organizations managing larger or distributed deployments, the **Enterprise Tier** adds intelligence and automation at scale. Network analysis provides clear recommendations for performance improvements, while mesh-level alerts detect inconsistencies before they disrupt operations. GPS tracking adds new visibility for mobile and remote assets. Most importantly, Enterprise subscribers gain automated email alerts with actionable instructions, giving them the tools to resolve issues faster and prove service level agreements (SLA) compliance with confidence.

BCICommander® Suite moves beyond traditional reporting to deliver real-time intelligence and automated performance recommendations. The result is stronger efficiency, faster response times, and more resilient networks that keep operations running under the most demanding conditions.

This subscription-based offering comes in three tiers—**Core** (Free), **Advanced**, and **Enterprise**—allowing organizations to choose the level that matches their operational needs.

Problems Solved (Benefits)

- **Removes Manual Burden:** Automated alerts and email notifications drastically reduce time spent on diagnostics.
- **Standardizes Network Configuration:** Reduces errors and enforces network policy compliance across nodes.
- **Enhances Real-Time Visibility:** Web-based and kiosk dashboards allow 24/7 monitoring from any location.
- **Improves Mesh Stability:** Automatically detects cross-model inconsistencies and suggests remediations.
- **Accelerates Troubleshooting:** Live topology views and historical reports provide actionable intelligence fast.
- **Reduces Downtime Risk:** Alerts and recommendations enable proactive maintenance before issues escalate.
- **Reduces Configuration Drift:** Enforces standardized policies across the mesh.



*Scheduled for upcoming release

Value Proposition

Reduce Downtime Costs with Automated Diagnostics
BCICommander® Suite analyzes your network and flags configuration issues or performance risks—preventing failures before they happen. Saves thousands in unplanned downtime, especially in critical settings like mining, energy, or military.
Estimated Value: Avoiding just one major outage can save $10K+, depending on the industry.

Lower Support Labor with Smart Alerts and Auto-Reports
Instead of manually combing through logs or responding to user complaints, your team gets actionable alerts and pre-scheduled reports—reducing time spent on routine monitoring and diagnostics.
Estimated Value: Save 5–15+ labor hours per week per site location in large networks.

Eliminate Configuration Errors at Scale
BCICommander® Suite enforces network-wide settings and detects inconsistencies like mismatched VLANs, gateways, or firmware—preventing misconfigurations that are hard to track down manually.
Estimated Value: Prevent rework and performance degradation that can cost $1K+ per incident, especially in distributed deployments.

Reduce Equipment Handling with Centralized Management
Operators can perform firmware updates, adjust settings, and monitor device health remotely, cutting the need for on-site tech visits and lowering travel or truck roll costs.
Estimated Value: Save $200–$1,000+ per site visit depending on location and access difficulty.

Scale Efficiently Across Sites Without Hiring More Staff
With kiosk dashboards and tiered features like Enterprise-wide management, one team can oversee multiple networks without adding headcount—enabling leaner, more scalable operations.
Estimated Value: Avoid additional FTEs at $80K–$120K/year, especially during growth.

Key Features

Network-Based Configuration (Advanced & Enterprise)
- Easily configure BreadCrumbs using network-wide settings for VLANs, security credentials, and InstaMesh parameters.

NOC Dashboard (Advanced & Enterprise)
- High-visibility monitoring interface including a Kiosk Mode for full-screen, persistent displays.
- Aggregates metrics for centralized control rooms or IT teams.

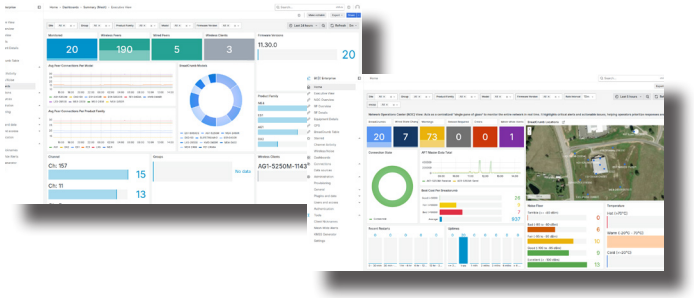
Network Analysis with Recommendations (Enterprise only)
- Runs diagnostics across all sites.
- Prioritized list of recommended actions—fix AP settings, firmware mismatches, VLANs,

Notifications & Alerts (Enterprise)
- Integrated with a Rajant-hosted service, enabling automated email alerts.
- Immediate awareness of critical events across the mesh network.

Mesh-Level Alerts (Enterprise only)
- Detects inconsistencies in system-wide configurations like subnet/gateway, and frequency mismatches, and bandwidth settings.

Client Device Naming (Advanced & Enterprise)
- Central MAC nickname database allows for simplified device identification in reports and dashboards.

GPS Tracking (Enterprise only)
- Visualize the physical movement of BreadCrumbs® over time.
- View individual or grouped location history to support investigations and maintenance.



Get the edge over other fault-tolerant networking options.

Discover how Rajant can help you stay connected—no matter how your team operates. Our technology means Reliability, Redundancy, and Resiliency. Learn more about Rajant's one-of-a-kind technology at www.rajant.com

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20+ Years OF GAME-CHANGING WIRELESS

RAJANT
INTELLIGENT EDGE
Enabling Industrial AI