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# Juniper Networks and Minew Deliver Scalable RTLS for Smarter Operations

Discover how Minew and Juniper deliver scalable, real-time RTLS and hardware solutions

**Learn more →**

Gain real-time control over assets, people, and spaces

**The challenge/opportunity**

## Solving asset invisibility across dynamic environments

Enterprises struggle to track high-value or mobile assets such as shopping carts, laptops, and tools across large sites, resulting in time loss, shrinkage, and compliance issues. Legacy systems are often siloed, expensive to scale, and lack real-time insights. Since these inefficiencies can cost enterprises millions annually in lost productivity and assets, there's a growing need for low-power, easy-to-deploy wireless infrastructure to enable full location visibility, sensor-driven alerts, and staff safety assurance.

**The capabilities you need**

## Actionable insights from real-time location data

Empower teams with real-time visibility into movement, occupancy, and environmental conditions

**End-to-end asset and personnel management**

Know the real-time location and status of assets and staff across your facility.

**Proactive incident detection and alerts**

Instantly respond to abnormal temperature, movement, or emergency button triggers.

**Infrastructure-light deployment at scale**

Deploy faster by using Juniper access points (APs) to capture signals and enable seamless wireless integration.

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**The answer: Minew RTLS hardware solution with Juniper APs**

## Real-time visibility, simplified

Minew's asset trackers, beacons, personnel tags, and sensors integrate seamlessly with Juniper APs to form a real-time location and sensing system. By combining Juniper's AP infrastructure with Minew's wide range of IoT hardware, the solution delivers accurate indoor positioning, asset tracking, environmental monitoring, and emergency response.

This joint solution is ideal for retail, healthcare, education, and manufacturing scenarios where visibility, safety, and efficiency are top priorities.

**How it works**

## Unlock real-world efficiency with RTLS

With Juniper APs and Minew tags, businesses can automate monitoring, response, and tracking across diverse spaces.

🛒 **Asset management**

From stray shopping carts to misplaced laptops, prevent losses with real-time asset tracking and recovery

🎧 **Workplace safety**

Let staff call for help discreetly while real-time location visibility shows exactly where they are

🌿 **Environment monitoring**

Monitor temperature, humidity, air quality, and even light to ensure optimal environment conditions

📍 **Create smarter spaces**

Optimize space usage and energy use automatically with real-time location and occupancy insights

**Core features/capabilities**

| | | |
|---|---|---|
| Multi-tag compatibility | **Versatile asset and people management** | |
| | Works with beacons, asset trackers, and personnel tags | |
| Sensor fusion | **Environment-aware automation** | |
| | Detect occupancy, motion, light, temperature, humidity, and push-button events | |
| Low-power design | **Long-lasting deployments** | |
| | Multiyear battery life for maintenance-free operation | |
| Integrated BLE and Wi-Fi | **Enable high-accuracy indoor RTLS** | |
| | Juniper APs support patented virtual Bluetooth® LE, ideal for tracking assets and people in real time | |
| AI-native automation | **Simplify wireless operations** | |
| | Marvis® AI enables automated troubleshooting, network tuning, and user experience optimization at scale | |
| Cloud-based architecture | **Scale effortlessly across locations** | |
| | Deploy and manage Wi-Fi and BLE services centrally via the Mist™ cloud with open APIs and SDK integration | |



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**Solution capabilities**

Juniper delivers Mist, the industry's first AI-native networking platform, for better operator and end user experiences with the most comprehensive AIOps across the entire network. The Mist platform's cloud is integral to our AI-native Mist platform. In this solution, all wireless deployment, operational, and management functions are handled via the Mist cloud, which delivers the following Wi-Fi and virtual Bluetooth LE services:

### Wi-Fi Assurance

Delivers user service levels, anomaly detection, dynamic packet capture, automated event correlation, custom policy configuration, guest WLAN access, and more

### Marvis AI Assistant

Provides natural language queries with integrated helpdesk for rapid and simple root cause determination and issue resolution while realizing the self-driving network with its Marvis Actions framework

### User Engagement

Push high accuracy, real-time location-based proximity or wayfinding notifications to engage users, turn-by-turn directions, or custom contextual proximity notifications

### Asset visibility

Finds high-value resources such as shipping pallets, wheelchairs, security personnel, and more with real-time intelligence from Mist's Wi-Fi and BLE infrastructure

### Juniper access points

Leverage enterprise-grade APs to work in conjunction with Juniper Mist cloud and Marvis AI to deliver premium wireless Wi-Fi, BLE, and IoT access capabilities

### Wired Assurance and switching

Enable AI-native automation at the switch access layer to continually optimize user experiences, shorten mean time to repair, and improve connected device visibility

Minew offers a complete range of Bluetooth Low Energy hardware, including beacons, asset trackers, personnel tags, and sensors. Each device is built for long battery life, fast deployment, and seamless integration with Juniper APs. Together, we bring IoT intelligence to physical spaces and operational workflows.

| | |
|---|---|
| **Paper-Battery Asset Tag** | Ideal for tracking compact items with eco-friendly NFC-enabled paper battery design |
| **Accelerometer Sensor Tag** | Enables precise tracking and movement-based alerts for high-value asset management |
| **Robust Beacon** | IP68 protection and IK09 rugged design. Ideal for heavy mobile asset tracking |
| **Pallet Tracker** | Monitors pallets and tools with impact alerts, geofence detection, and multiyear battery for asset visibility |
| **Waterproof Beacon** | Mounted on crates, pallets, or rolling inventory to enable indoor tracking and condition logging |
| **Tamper-Proof Asset Tag** | Secures high-value asset management with tamper alarms and long-range BLE broadcasting |

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**Why Juniper and Minew?**

## Our partnership advantage

At Juniper Networks, we are dedicated to dramatically simplifying network operations and Juniper believes that connectivity is not the same as experiencing a great connection. Mist™, Juniper's AI-native networking platform, is built from the ground up to leverage AI to deliver exceptional, highly secure, and sustainable user experiences from the edge to the data center and cloud. Additional information can be found at juniper.net or connect with Juniper on X (formerly Twitter), LinkedIn, and Facebook.

Minew develops and manufactures high-performance BLE tags and sensors optimized for real-world RTLS, sensing, and safety applications. Its global deployments span retail, logistics, healthcare, and more, offering unmatched flexibility, battery life, and integration readiness.

**Next steps**

To learn more about the Juniper Mist and Minew solution, please contact your Minew or Juniper Mist representative, or visit www.minew.com or www.juniper.net.

**Take the next step**

**Connect with us**

See how we help unlock new growth, powered by AI.

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