

XCOM RAN

Top Use Cases for Supercharged Private Networking

As industries adopt automation and digital transformation, the demand for always-on, ultra-reliable connectivity has never been higher.

Yet traditional Wi-Fi solutions and even legacy cellular often struggle in such environments resulting in challenges with interference, handoff issues, and limited scalability, which can slow operations down.

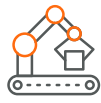
Top Use Cases XCOM RAN

To meet the demands of today's mission-critical environments, private networks must be optimized to deliver consistent low latency, high throughput, and seamless coverage, and that's where XCOM RAN comes in.



Warehousing and Logistics

Capture low-latency and real-time control for automated guided vehicles (AGVs), automated mobile robots (AMRs), accurate tracking, inventory management, order fulfillment, and fleet operations, all with uninterrupted connectivity across large facilities.



Manufacturing and Robotics

XCOM RAN is ideal for AI-driven physical processes (Physical AI), on-premise edge training, and high-capacity video streaming uploads for analytics to enable smarter, faster production cycles.



Construction and Mining

Access reliable, rugged connectivity for remote operations, worker safety monitoring, and heavy equipment tracking in challenging outdoor environments.



Government and Defense

XCOM RAN delivers secure communications with peak uptime for logistics, asset monitoring, and tactical coordination – all without RF interference in critical environments.






Energy, Oil, and Utilities

Tap into remote site coverage, dependable connectivity in harsh environments, and safer operations with real-time monitoring of critical infrastructure.

XCOM RAN: Engineered for Next-Gen Private Networks

For the most optimized private network, XCOM RAN delivers key value:

-  **Easy Deployment**
Simple setup with minimal RF planning requirements
-  **Scalable**
Seamlessly expand from a single SuperCell to a multi-SuperCell configuration
-  **Resilient**
Not impacted by RF noise and eliminates handoffs, boosting up time dramatically
-  **Software-Defined and Future-Proof**
Designed to evolve with your automation strategy and able to innovate at the speed of software without forklift upgrades
-  **Flexible Connectivity**
Supports licensed dedicated spectrum, such as Globalstar Band n53TM (5G) and shared spectrum options like CBRS (n48) and n78



Ready to learn more?

Discover the easiest, most effective way to enable the full potential of private networking. Download our latest eBook: The Ultimate Guide to 5G Private Networks.

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