

XCOM RAN

Private Wireless Reimagined

As industries accelerate automation and digital transformation, the demand for always-on, ultra-reliable connectivity continues to grow. Traditional Wi-Fi and legacy private 5G solutions often struggle in dense industrial environments, leading to interference, handoff disruptions, and limited scalability.

Why XCOM RAN?



Unprecedented Performance

XCOM RAN increases capacity by up to 4x over traditional private 5G offerings, delivering flawless connectivity in the densest automation environments.

Designed to power AI-driven operations, robotics, high-throughput video analytics, and mission-critical applications without compromise.



Dedicated Spectrum

XCOM RAN runs on globally allocated shared private 5G spectrum and can uniquely leverage Globalstar's licensed Band n53™ as a dedicated band, delivering:

- Reduced interference
- Predictable performance
- Worry-free private 5G deployments



Ease of Deployment & Management

The patented Supercell architecture reduces the need for site surveys and complex RF network design, driving:

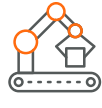
- Faster deployments
- Simplified management
- Full capacity and coverage across industrial environments

Top Use Cases for Next Generation Private 5G



Warehousing & Logistics

Low-latency control for AGVs and AMRs, accurate tracking, real-time inventory management, order fulfillment, and uninterrupted connectivity across large facilities.



Manufacturing & Robotics

Support AI-driven physical processes, on-premises edge compute, and high-capacity video uploads for analytics to enable smarter, faster production cycles.



Construction & Mining

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



Government & Defense

Secure, interference-resistant communications for logistics, asset monitoring, and tactical coordination in critical environments.



Energy, Oil, & Utilities

Remote site coverage and dependable connectivity in harsh conditions for safer operations and real-time infrastructure monitoring.

Engineered for Modern Industry



4x

Capacity
Performance



Dedicated

Licensed Spectrum Option
(Band n53™)



Supercell

Architecture with
No Handoffs



**Software-
Defined**

and Future-Ready



**Shared
and Licensed**

Spectrum Flexibility
(n53™, CBRS n48, n78)

Would you like to learn more about the XCOM RAN Private 5G solution?

[Watch this video](#)