

Private Cellular Networks: The Future of Enterprise Connectivity

A private cellular network (PCN) is a private section of spectrum services that can be used as an internal or external network. We expect a 25% increase in PCN use by 2030, and for a simple reason: enhanced connectivity.

HOW PCNs IMPROVE BUSINESS OPERATIONS



SUPERIOR COVERAGE

Private networks offer up to 160X the output power of Wi-Fi, enabling beams to pass through walls, roofs, and other structures.



ENHANCED RELIABILITY & MOBILITY

PCNs handle device “handoffs” better than Wi-Fi - meaning you won’t lose connection when moving from one radio to another.



REDUCED INFRASTRUCTURE

Even in large spaces, just 5-10 PCN radios can replace 100s of Wi-Fi access points.



USE CASES ACROSS INDUSTRIES

- **Manufacturing:** Enhanced functionality for IoT systems, creating a better network to reduce latency and improve productivity
- **Healthcare:** Instant communication to improve patient outcomes
- **Education:** Consistent connectivity for students (both remote and on campus)
- **Logistics & Warehousing:** Optimized automation, shelving, and picking
- **Hospitality:** Improve public cellular in larger building deployments, including better security and communication

WHERE DO YOU START?

- What is your current networking need?
- Have you had any recent assessments done for your current network or security?
- What is your company's 5 year vision for improvements?
- If you had a blank check for network improvements, where would you like to use the money?

NEEDS ASSESSMENT

- Are you experiencing any issues with your current network coverage or performance?
- How critical is reliable and secure connectivity to your business operations?
- Do you have multiple buildings or locations that require wireless or cellular connectivity?
- Do you operate in challenging environments where cellular coverage or network coverage may be limited?
- Do you have internal IT resources available to assist with Wi-Fi management and troubleshooting?
- How many devices and users do you expect to connect to the network initially and in the future?
- How would you describe the current cellular coverage and connectivity within your facilities?
- Which cellular network operators do you currently use or plan to use?
- Have you ever considered purchasing a DAS (Distributed Antenna System)?

Want to boost connectivity at your organization?

Talk to us about adopting a PCN.