



Private 5G Network Solutions for Healthcare Providers

Revolutionizing Healthcare Network Infrastructures to Streamline Operations, Improve Patient Care, and Power Innovation

No industry is under more pressure than today's healthcare industry with chronic staffing shortages, rising care costs, demands for improved patient care and expanded care footprints, as well as the need to achieve operational efficiencies using advanced technologies.

Oceus, an industry leader in providing private 5G network solutions for challenging operational environments, can help pave the way for healthcare providers, hospitals, and clinics to bring patient care and operational innovations to life.

Oceus' private 5G network solutions are uniquely suited for life-and-death healthcare practitioners where privacy and speed are paramount, and offer the bandwidth, capacity, and low latency to achieve demanding network performance benchmarks, including:

- Mission-critical reliability
- Universal mobility
- Anywhere-anytime connectivity
- Broadband bandwidth
- Zero-tolerance security

OCEUS PRIVATE 5G ADVANTAGES

With all the benefits of 5G cellular technology, the Oceus private 5G network is completely dedicated to healthcare providers' private use with inherent advantages that support healthcare technology innovations and use cases, such as:

- Seamless indoor and outdoor coverage for always-connected voice and data mobility
- High device density (hundreds of thousands of devices per private 5G access point)
- Deterministic performance guaranteeing priority for key healthcare applications
- Autonomous cybersecurity with real-time threat detection and mitigation
- Intelligent AI-driven manageability and control over performance and resource allocation
- Dedicated spectrum that is separate from public networks for durable control over performance and security
- Uncomplicated infrastructure with fewer access points and wires
- Cost-effective with low Capex

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CUSTOMIZED PRIVATE 5G OUTCOMES

Oceus architects turnkey private 5G solutions that eliminate the complexities of integrating with hospitals' existing communications infrastructure. Whether it's networking IoMT (Internet of Medical Things) devices for a seamless patient journey, enabling real-time patient data analytics with AI, or wrapping an entire regional healthcare system in a secure mobile network, Oceus delivers the entire infrastructure, customized to each client's specific needs.

Mission-tested in demanding, austere, sensor-dense, remote, and complex environments, Oceus private 5G solutions ensure mobile communications continuity in-building, campus-wide, and on-the-move, and provide the following:

- **Intelligent Always-On Connectivity:** Oceus' patented technology utilizes AI and ML to intelligently modulate connectivity, continually optimizing network resources for peak performance
- **Universal Mobility:** Oceus integrates spectrum-agnostic solutions and our mobile operator relationships to expand connectivity indoor, outdoor, and on-the-go

IMPROVED CARE QUALITY AND COST SAVINGS

Private 5G cellular technology ensures that healthcare organizations can reliably meet with patients on-demand and in emergencies and deliver treatment to chronically ill patients in any location. Using 5G, healthcare organizations can enable many cost-saving initiatives that can also improve the quality of care, such as:

- Effective real-time remote patient monitoring and diagnosis including wearable devices for preventative care
- Telehealth for patients to connect virtually with doctors and other healthcare organizations via real-time video or chat
- Reliable, real-time transmission of extremely large files for faster diagnostic results
- Faster network reconfiguration to keep pace with improvements in diagnostic and medical imaging systems

DEPLOYING OCEUS PRIVATE 5G SOLUTIONS

Private 5G operates in low, medium, and high-band frequencies across any spectrum, supporting broader sets of use cases than are available with Wi-Fi.

Oceus private 5G solutions are spectrum agnostic, running on licensed, unlicensed, or shared CBRS license spectrum, to meet any deployment and configuration requirements of healthcare facilities. Oceus has strategic partnerships with global mobile network operators that can get 5G mobile devices up and running today on a private network.

Through Oceus private 5G network solutions, healthcare systems can be transformed to improve the quality of care and patient experience, reduce the cost of care, accelerate operational efficiencies, and so much more.

To discover more about how Oceus private 5G solutions can achieve critical healthcare outcomes, visit us at [Oceus.io](https://oceus.io).

About Oceus

Oceus empowers government and commercial enterprise with intelligent private 5G communications for uninterrupted critical operations in challenging environments where deterministic delivery of data in a wireless environment is critical: in-building, campus-wide, and on-the-move.

Oceus delivers advanced wireless network infrastructure with the mobility, security, and performance needed for seamless connectivity. Our edge computing capabilities provide low latency, ultra-high reliability, and enhanced security for wireless IoT devices and applications. The Oceus Intelligent Controller provides software-defined network orchestration using AI/ML to automate the management of 5G enterprise systems and applications for military operations, border security, disaster response, smart cities, logistics, transportation, manufacturing, healthcare, education, utilities, and energy.

Oceus is headquartered in Herndon, VA, with Oceus Technologies, our R&D lab, and our Integration and Operations Center both located in The Colony, TX.