

5G

Oceus® Private 5G Solutions

Technology for Delivering Access to Fast, Reliable 5G Broadband Connectivity in Mission-Critical Operations

Today's complex operating environments present unique and demanding communication and data challenges. Oceus is the leading technology innovator and solutions provider of private 5G communications.

Government, military and commercial customers depend on our solutions for on-demand high-speed voice, video and data communications in any environment. Whether it's special operators controlling a drone swarm in support of combat operations or a logistics company automating a smart warehouse to increase delivery velocity through the supply chain, Oceus' private 5G network solutions provide these capabilities.

We develop, integrate, and customize proprietary tools and technology for delivering access to fast, reliable private 5G broadband connectivity in mission-critical operations. Our private 5G networks can be deployed rapidly and easily in environments where communications infrastructure is inadequate or non-existent. We bring a heritage of innovation to solving tough business and operational problems, packaged with over a decade of customer-proven private cellular deployments and powered by Oceus Technologies that has yielded over 30+ patents.

5G SYSTEMS

Oceus offers three private 5G communication systems: deployable, enterprise, and cloud-based system.

These solutions deliver:

- Extensive broadband connectivity with dedicated & dynamic spectrum
- Massive MIMO
- Network slicing

For wireless IoT devices and applications, our edge computing capabilities provide:

- Enhanced Mobile Broadband (eMBB)
- Ultra-Reliable Low Latency Communications (URLLC)
- Massive Machine Type Communications (mMTC)

Get 5G Ready.

Private 5G Offerings

	ENVIRONMENT	USERS	STARTUP TIME	BENEFITS
5G DEPLOYABLE	On-the-move	<200	10 minutes	Ease of Use
				Lowest SWAP
				Fastest Startup
5G ENTERPRISE	On-premise	Scalable	< 5 minutes	Carrier Grade
5G CLOUD	Cloud	Scalable	< 5 minutes	Carrier Grade
				Nationwide Roaming

Private 5G Products

OCEUS INTELLIGENT CONTROLLER

Our software-defined network orchestration tool, the Oceus Intelligent Controller, uses artificial intelligence and machine learning to automate the management of these solutions.

This user interface is easy-to-use and provides quick and easy access to functions that an operator requires.

ONMISSION

ONmission provides end-to-end mobile network performance management.

Developed from the ground up to provide a superior user experience and leveraging the latest web technologies, ONmission easily integrates with any type of network including cellular wireless, MANET, SATCOM, Wi-Fi and wired networks.

ONCAST

ONcast is a virtual network architecture solution with secure cryptography endpoints for configuring, managing, and deploying secure virtual networks.

ONcast differs from traditional VPNs in that it does not require a dedicated trusted VPN gateway server; rather, the system provides for encrypting data peer-to-peer.

ONCOMM

ONcomm provides secure real-time communications with the speed to instantly connect with teams in one powerful push-to-talk application.

With an always-active connection to all users, teams can communicate at the push of a button - users don't have to hunt for contacts or phone numbers to call someone.

SMART GATEWAY

Smart Gateway is a Commercial Solutions for Classified (CSfC)-compliant, integrated multi form-factor, multi-classification, multi-transport, software defined networking kit designed to improve secure tactical or strategic command, control, and communications capabilities.

Smart Gateway has the adaptability to mission sets and supports mobile operations by providing secure networking for sharing critical tactical information to improve the decision-making process.

To learn more about Oceus Private 5G network solutions and industries served, visit 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.