



U.S. Office Private CBRS Network Forecast, 2021 – 2026





U.S. Office Private CBRS Network Forecast, 2021 – 2026: *CBRS Network Build, Integration and App Spending in Commercial Office Buildings*

A Market Study

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iGR
12400 W. Hwy 71
Suite 350 PMB 341
Austin TX 78738

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Abstract

Office buildings in the U.S. have long been targets for indoor wireless networks, since people have historically spent large amounts of time at work and modern office buildings are generally good at blocking RF signals. Similarly, private cellular networks, especially those using CBRS, are seen as good solutions for commercial office buildings.

CBRS allows the building owner or tenant (a CBRS network may be installed by either) to provide private LTE/5G service to the occupants of the building and the building itself, supporting HVAC, environmental systems, security systems and access systems alike.

For this report, iGR defines an inbuilding private cellular system as one that uses the U.S. CBRS band for 4G/5G-based services and is funded by a third party distinct from a Mobile Network Operator (MNO). Note that iGR includes campus-wide cellular networks within the “inbuilding” umbrella.

This market study provides a five-year forecast for spending for three types of spending on in-building private cellular systems using CBRS in U.S. office buildings. The three types of spending include:

- Network build and operational spending: the costs associated with installing and operating the private CBRS network
- Network/systems integration spending: the costs associated with designing, sourcing equipment, integrating the network and applications, etc.
- Applications: the costs associated with purchasing and licensing the applications that run on the private CBRS network.

Key questions addressed in this market study include:

- What is a private cellular network?
- How can a private cellular network be used to create a connected office building/campus?
- What is the primary purpose of a connected office building or campus?
- What technologies are required for a connected office building or campus?
- What use cases are enabled in a connected office building or campus?
- How much will be spent to build and operate a private CBRS network in U.S. office buildings from 2021 to 2026?
- What is the forecasted network/systems integration spending associated with the private CBRS network opportunity in U.S. office buildings from 2021 to 2026?

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- What is the forecasted applications spending for private CBRS networks in in U.S. office buildings from 2021 to 2026?

Who should read this report?

- Systems integrators and wireless network integrators
- CBRS solutions vendors
- Mobile operators
- Infrastructure OEMs
- Financial analysts and investors.

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