

U.S. Education Private CBRS Network Forecast, 2021 – 2026:

*CBRS Network Build, Integration
and App Spending in Education
Buildings*





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A Market Study

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Abstract

Education buildings in K-12 schools and university campuses are good candidates for private cellular networks especially those using CBRS. These networks have become a reality largely due to the federal and state money that has been made available via pandemic-related funding. In general, these monies have been used to build out broadband access in school districts to address the digital divide. Meanwhile, colleges and universities are also investing in, and piloting, private cellular networks.

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

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- What is the forecasted applications spending for private CBRS networks in U.S. education 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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