GraybaR

Make Sure Your Building's Wireless Strategy Provides for Three Key Applications

Cellular | Public Safety | Private Wireless Networks

① Cellular

Enable wireless voice and data devices to operate on an in-building network.

5G will change the way people use their mobile devices, and your building's network infrastructure must evolve to keep up.

- 80 percent of cellular use today happens indoors*, and the people who visit and work in your building have ever-increasing expectations for seamless connectivity.

- 5G, the next step in cellular technology, will meet the demand for a better, more reliable network with up to 10x faster speeds than current LTE.

- But 5G isn't just about speed – it will also allow more devices to connect at each point, with less delay. New applications built around this technology, like the Internet of Things (IoT) and augmented reality, will process huge amounts of data in near-real time.

Improving adequate coverage and capacity across all carriers in your building boosts:

- Customer experience
- Recruiting and retention of customers and employees
- Operational effectiveness

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② Public Safety

In an emergency, communication is key – would your building's network get in the way of:

Anyone, with any carrier, dialing 911 from their cell phone

First responders communicating with voice and data anywhere in your building

Everyone receiving mass notifications

- About 80 percent of calls to 911 come from cellphone users*.
- According to the FCC, if 911 response time improved by one minute, it would save an estimated 10,000 lives annually in the U.S.
- It's likely that a 911 call will be attempted from your building on a cell phone. Will it connect? You can save lives inside your building by eliminating delays.
- Nationwide codes from the National Fire Protection Association (NFPA) and International Fire Code (IFC) require adequate radio coverage in a building for first responders. Many municipalities now require buildings to have this coverage to receive a certificate of occupancy.

③ Private Wireless Networks

A private network puts you in control of your building's connectivity and mission-critical functions. We can help you develop a comprehensive private wireless strategy that creates a secure network utilizing Wi-Fi, IoT and CBRS spectrum.

- Secure the applications that keep your business running, and access analytics about network usage and performance.
- Satisfy the growing demand for bandwidth by distributing the load between yourself and commercial carriers to ensure important applications are always connected.
- Make sure your network is future-ready with upgrade paths to support 5G, Wi-Fi 6 and Internet of Things (IoT) applications.

We can help you get started with the following technologies:

Citizens Broadband Radio Service (CBRS)
- Allows you to deploy private LTE – a wireless voice and data network – without paying fees to a carrier, while providing an upgrade path to 5G
- Provides carrier-grade reliability and security on a private network suitable for IoT and other mission-critical applications

Wi-Fi 6 (802.11ax)
- Offers a denser network that improves performance and supports the proliferation of enterprise devices, including IoT applications
- Can support up to 4x higher throughput, compared to previous standards
- Improves battery life of end devices like IoT sensors

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