

LoRa Wireless Vs. WiFi for Remote Monitoring Systems

When it comes to enabling communications between sensors and gateways, CORIS remote monitoring systems rely on LoRa wireless technology for all their applications. Why? LoRa delivers clear advantages over WiFi and other wireless systems, from the first day a system is installed.

To illustrate this, let's look at a building where sensors are spread across multiple floors.



The LoRa Layout

- Operating at 915 mHz with LoRa's unique datagram capabilities, CORIS wireless sensors have incredible range and the ability to penetrate multiple building walls and floors.
- A single CORIS LoRa Gateway can handle dozens or hundreds of devices, across multiple floors and even buildings.
- Your CORIS LoRa system is up and running faster without having to put "holes" in your firewalls. Lower installation costs and fewer IT concerns are paired with reliable operations.




The WiFi Layout

- Operating at either 2.4 or 5.8 GHz, WiFi signals will generally not penetrate walls and floors of large buildings.
- With wireless signals absorbed or blocked before making it through these surfaces, multiple gateways need to be installed across floors and buildings – usually one gateway per room with sensors.
- While adding time and cost to the installation of a monitoring system, WiFi also introduces more reliability, connectivity, and security issues.

From install to operation, CORIS' LoRa wireless is changing sensor technology for the better.

To learn more about how our LoRa-based solutions can support your needs, contact us.

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