

Why Sub-1 GHz

Facts about Sub-1 GHz

Long-range

Sub-1 GHz can span 20 km on a coin cell battery

Ultra-low power

Sub-1 GHz provides multi-year operation on a coin cell battery

Robust connection

Sub-1 GHz offers connectivity that reaches through walls and can turn corners

Sub-1 GHz

~20km

ZigBee® and Bluetooth® low energy

~400m

Wi-Fi

~100m



20 km on a coin cell

Connect, control and monitor the home and its vicinity with long range connectivity utilizing simple software, running on a coin cell battery for up to 10 years



Ultra-low power

Cover the entire retail floor of several hundreds of nodes to update information and manage data flow quickly all on battery powered devices

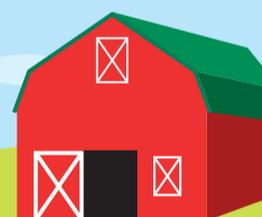


Robust and secure link

For dense urban environments, achieve a robust and reliable connection with integrated frequency hopping and built-in AES-based encryption

Long range on a single hop

Extend long-range connection in spread-out areas to monitor and track activity such as animal movement, crop growth, weather and more



TI provides the building blocks to develop ultra-low power, long-range and robust connectivity networks for IoT applications

Get started now:

- [SimpleLink™ CC1310 LaunchPad™ development kit](#)
- [New! TI 15.4-Stack software](#)

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