

Choosing Wireless Technology for your Project

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Connected Devices

How much data do you need to transfer?

How often do you need to send it?

How far do you need to send it?

How fast you need to send it?

Is the device's location fixed or will it change?

Is the device going to be constantly moving?

Is it battery powered or plugged in?

Short Range

Bluetooth

Bluetooth Low Energy

Wi-Fi

802.11.x

ZigBee / XBee

802.15.4

Z-Wave

Gateways

NFC

Near Field Communication

Cellular

2G / 3G / 4G / LTE

LPWAN

Low Power Wide Area Network

LoRa

Long Range Low Power Wireless

LoRaWAN

Sigfox

Thank you

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<https://don.github.io/slides>