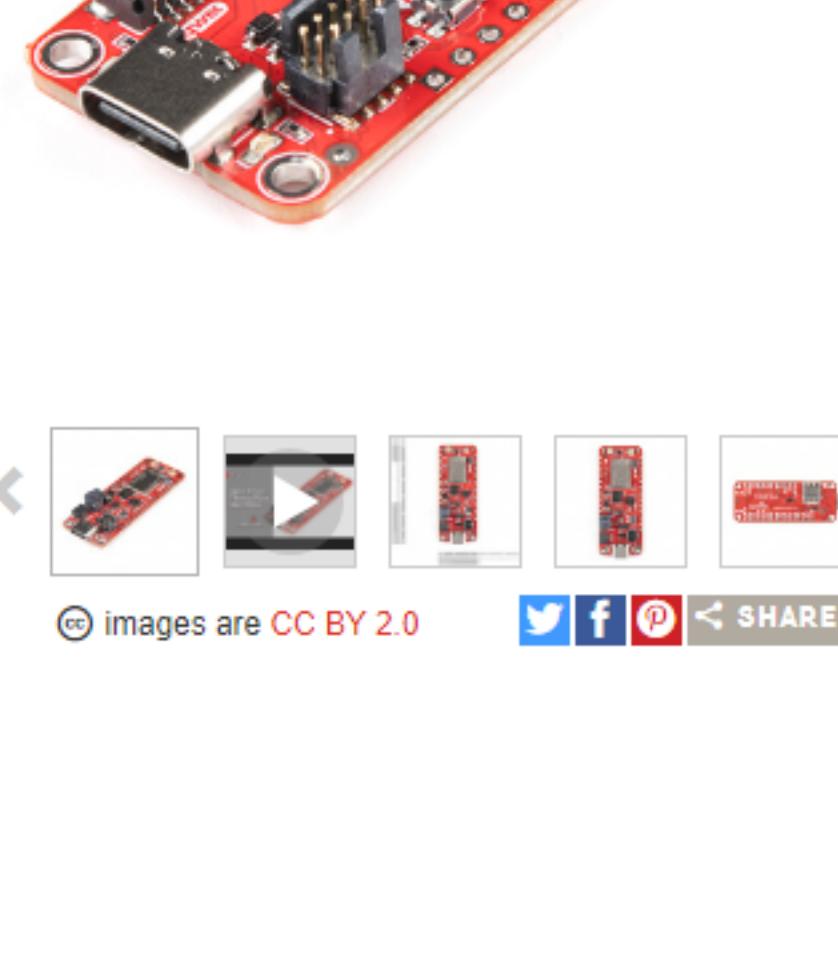




## SparkFun Thing Plus - nRF9160

WRL-17354 \*



\$139.95

Volume sales pricing

- 1 +

Quantity discounts available

ADD TO CART

Shipping outside of the US?

Click here for info

DESCRIPTION INCLUDES FEATURES DOCUMENTS

SparkFun has teamed up with CircuitDojo to bring you the SparkFun nRF9160 Thing Plus, featuring the powerful Nordic nRF9160 microcontroller in a Feather-compatible footprint. This little chip is capable of both CAT M1 LTE and NB-IoT cellular communication and is designed to work with Zephyr, the go-to RTOS for embedded development. To make the Thing Plus even easier to use, this board utilizes our handy Qwiic Connect System which means no soldering or shields are required to connect it to the rest of your system!

Not only can you take advantage of Nordic's advanced power states, but you can also put the device into a low power standby state. Laboratory measurements are putting that mode at about 2µA of current. 2µA! It also features a 3.3V Buck-Boost which helps get every mWh from your batteries as possible.

No batteries? No problem! Power your nRF9160 Thing Plus externally with a USB-C cable. Keep it on at all times for high availability scenarios.

Want to persist data? The nRF9160 Thing Plus has a 4MB external flash for storing data while offline. Using external flash with a filesystem like LittleFS and you'll have a project to recon with!

The [SparkFun Qwiic Connect System](#) is an ecosystem of I<sup>2</sup>C sensors, actuators, shields and cables that make prototyping faster and less prone to error. All Qwiic-enabled boards use a common 1mm pitch, 4-pin JST connector. This reduces the amount of required PCB space, and polarized connections mean you can't hook it up wrong.

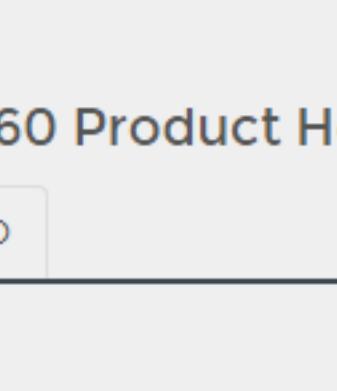
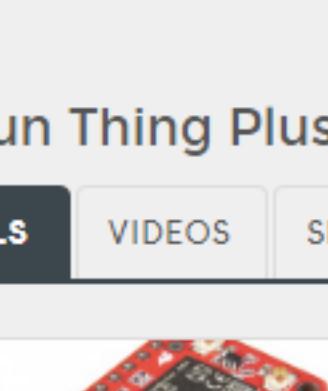
GET STARTED WITH THE SPARKFUN NRF9160 THING PLUS HOOKUP GUIDE

## Tags

3.3V 5V ARM BUCK-BOOST CAT M1 CAT NB1/NB2 CELLULAR CIRCUITDOJO DEVELOPMENT FEATHER GPS I2C IOT J-LINK JTAG LIPO CHARGER LTE NB1 NB2 NB-IOT NORDIC NRF9160 QWIIC QWIIC CONNECTED DEV BOARDS RTC RTOS SIM CARD SPARKFUN ORIGINAL SPI THING THING PLUS U.FL USB-C WIRELESS

## Hookup Accessories for SparkFun Thing Plus - nRF9160

PAGE 1 OF 25



## Feather Stackable Header Kit

PRT-15187

\$1.75

## SparkFun Qwiic Cable Kit

KIT-15081

\$8.95

★★★★★ 18

## Reversible USB A to C Cable - 0.8m

CAB-15425

\$5.50

★★★★★ 2

## SWD Cable - 2x5 Pin

CAB-15364

\$2.10

## Similar Items for SparkFun Thing Plus - nRF9160

PAGE 1 OF 9



## SparkFun MicroMod Asset Tracker Carrier Board

DEV-17272

\$149.95

★★★★★ 2

## SparkFun LTE CAT M1/NB-IoT Shield - SARA-R4

CEL-14997

\$90.95

★★★★★ 7

## SparkFun LTE CAT M1/NB-IoT Shield - SARA-R4 (with Hologram SIM Card)

CEL-15087

\$96.50

★★★★★ 5

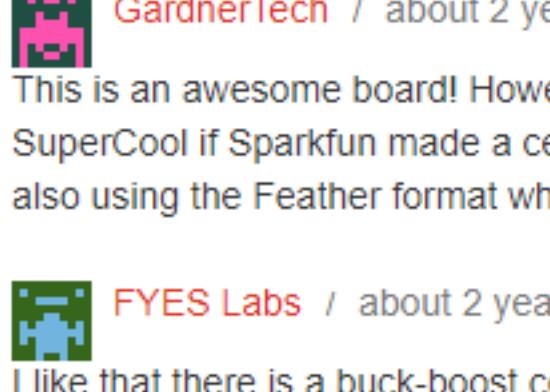
## SparkFun Thing Plus - DA16200

WRL-19696

\$34.95

## SparkFun Thing Plus - nRF9160 Product Help and Resources

TUTORIALS VIDEOS SKILLS NEEDED



## nRF9160 Thing Plus Hookup Guide

MAY 6, 2021

Getting started with the nRF9160 from Circuit Dojo and SparkFun!

## Frequently Bought Together

PAGE 1 OF 25



## SparkFun GPS-RTK-SMA Breakout - ZED-F9P (Qwiic)

GPS-16481

\$274.95

★★★★★ 13

GPS-19984

\$699.95

★★★★★ 8

WRL-17841

\$2.10

★★★★★ 1

KIT-18292

\$324.95

★★★★★ 2

Comments

Looking for answers to technical questions?

We welcome your comments and suggestions below. However, if you are looking for solutions to technical questions please see our [Technical Assistance](#) page.

Log in or register to post comments.

GardnerTech / about 2 years ago / ★ 2

This is an awesome board! However as Rob mentioned, it is a bit expensive and more complex. It would be SuperCool if Sparkfun made a cellular IoT board much like the Particle Boron. Simpler and less expensive and also using the Feather format which is terrific.

FYES Labs / about 2 years ago / ★ 2

I like that there is a buck-boost converter on this board. I would really like to see buck or buck-boost converters on future boards so that there is a little bit of added efficiency.

COMMENTS 2

REVIEWS 0

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