sparkfun
START SOMETHING

SHOP   LEARN   BLOG   SUPPORT

Find a Retailer   Need Help? ▾

🛒 0   LOG IN   REGISTER

☰ PRODUCT MENU   find products, tutorials, etc... 🔍

TODAY'S DEALS   SPARK X   EDUCATION   FORUM

HOME / PRODUCT CATEGORIES / RFID / SPARKFUN RFID QWIIC READER

{} ▦

SparkFun RFID Qwiic Reader

🟡 SEN-15191 ⚙

DESCRIPTION   **DOCUMENTS**

The SparkFun RFID Qwiic Reader is a simple I^{2}C based RFID breakout board for the ID-3LA, ID-12LA, and ID-20LA readers. Simply plug a reader into the headers and use a Qwiic cable, then scan your 125kHz ID tag and the unique 32-bit ID will be shown on the screen. The unit comes with a read LED and buzzer, but don't worry, there is a jumper you can cut to disable the buzzer if you want. Utilizing our handy Qwiic system, no soldering is required to connect it to the rest of your system. However, we still have broken out 0.1"-spaced pins in case you prefer to use a breadboard.

Utilizing the onboard ATtiny84A, the Qwiic RFID takes the six byte ID tag of your 125kHz RFID card, attaches a time stamp to it, and puts it onto a stack that holds up to 20 unique RFID scans at a time. This information is easy to get at with some simple I^{2}C commands.

The SparkFun Qwiic Connect System is an ecosystem of I^{2}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.

Note: This product does not come with the RFID reader. Check below for compatible readers.

GET STARTED WITH THE SPARKFUN RFID QWIIC GUIDE

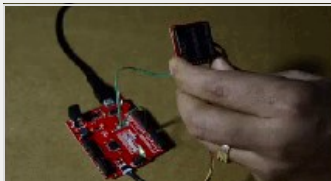## Tags

125KHZ   I2C   QWIIC   RFID   SENSOR   SPARKFUN ORIGINAL

🐦 f 📌 ⬘ SHARE

SparkFun RFID Qwiic Reader Product Help and Resources

TUTORIALS   VIDEOS   SKILLS NEEDED

SparkFun Qwiic RFID-IDXXLA Hookup Guide

MARCH 14, 2019

The Qwiic RFID ID-XXLA is an I2C solution that pairs with the ID-LA modules: ID-3LA, the ID-12LA, or the ID-20LA, and utilizes 125kHz RFID chips. Let's take a look at the hardware used for this

Build a Qwiic Jukebox that is Toddler Approved!

MARCH 29, 2019

Follow this tutorial to build your own custom jukebox. Note, this is designed simple and tough for use primarily with toddlers. It's also a great introduction to SparkFun's Qwiic products!

tutorial.

COMMENTS 2   **REVIEWS** 0

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.   🔊

North Alabama PC / about 10 months ago / ⭐ 1

One odd thing about the tag numbers and the coding, the tags are decimal bytes put together as a string. They are not the decimal conversion from the hex tag.

Note: tempTag is a byte of data from this card.

tagID += String(tempTag); This should be: tagID += String(tempTag, HEX);

But if the dec byte is less than 16, then you don't get 0F hex for 15 decimal you get F. So when it should be 3500A254D2, you get 350A254D2.

The fix is to check tempTag for less than 16 then add a 0 to make it a two char hex else convert as shown above.

📌 **Santa Claus Impersonator** / about 10 months ago / ⭐ 1

Hi there, I think you may want to file an issue under the GitHub repo for the engineer to take a look at this.

STAY IN TOUCH WITH US

[Email address]   **SUBMIT**

Weekly product releases, special offers, and more.

▶

📷

🐙

f

ABOUT SPARKFUN

Read Our Story

Press & Media

SparkFun Education ☑

Job Openings

PARTNER WITH US

See Our Partners

Become a Distributor/Reseller

Receive Volume Discounts

Build a Custom Kit

Apply for a Hardware Donation

SUPPORT

Customer Support

Purchase Orders & Payment

Terms

Technical Assistance

FAQs

Contact Us

SITE INFORMATION

Terms of Service

Privacy Policy

Compliance

Site Map

SparkFun Electronics ® / **6333 Dry Creek Parkway, Niwot, Colorado 80503**

Questions? Feedback? powered by Olark live chat software