



NFC-RFID Expansion Board for Onion Omega

DEV-14634

The NFC-RFID Expansion Board will bring a new world of exciting functionality and application to your Omega2 module. As with other expansions, it will plug into your Onion Expansion, Arduino or Power Dock, and provide you with both NFC and RFID communication. This board makes use of the PN532 controller chip and is embedded in most smart phones and devices that support NFC. It can read and write to tags and cards, communicate with phones (for example payment processing), and **'act' like a NFC tag.**

NFC (Near Field Communications) is a way for two devices very close to each other to communicate. It is an extension of RFID, so anything you can do with RFID you can do with NFC. Since it can read and write tags, you can use this for RFID-tag projects as well.

The Onion Omega boards we carry are separated into three different categories: Mainboard, Dock and Expansion Board. This board falls into the Expansion Board category, meaning you will need an Omega Dock that is equipped with a 30-pin Expansion Header like the Expansion Dock or Arduino Dock R2.

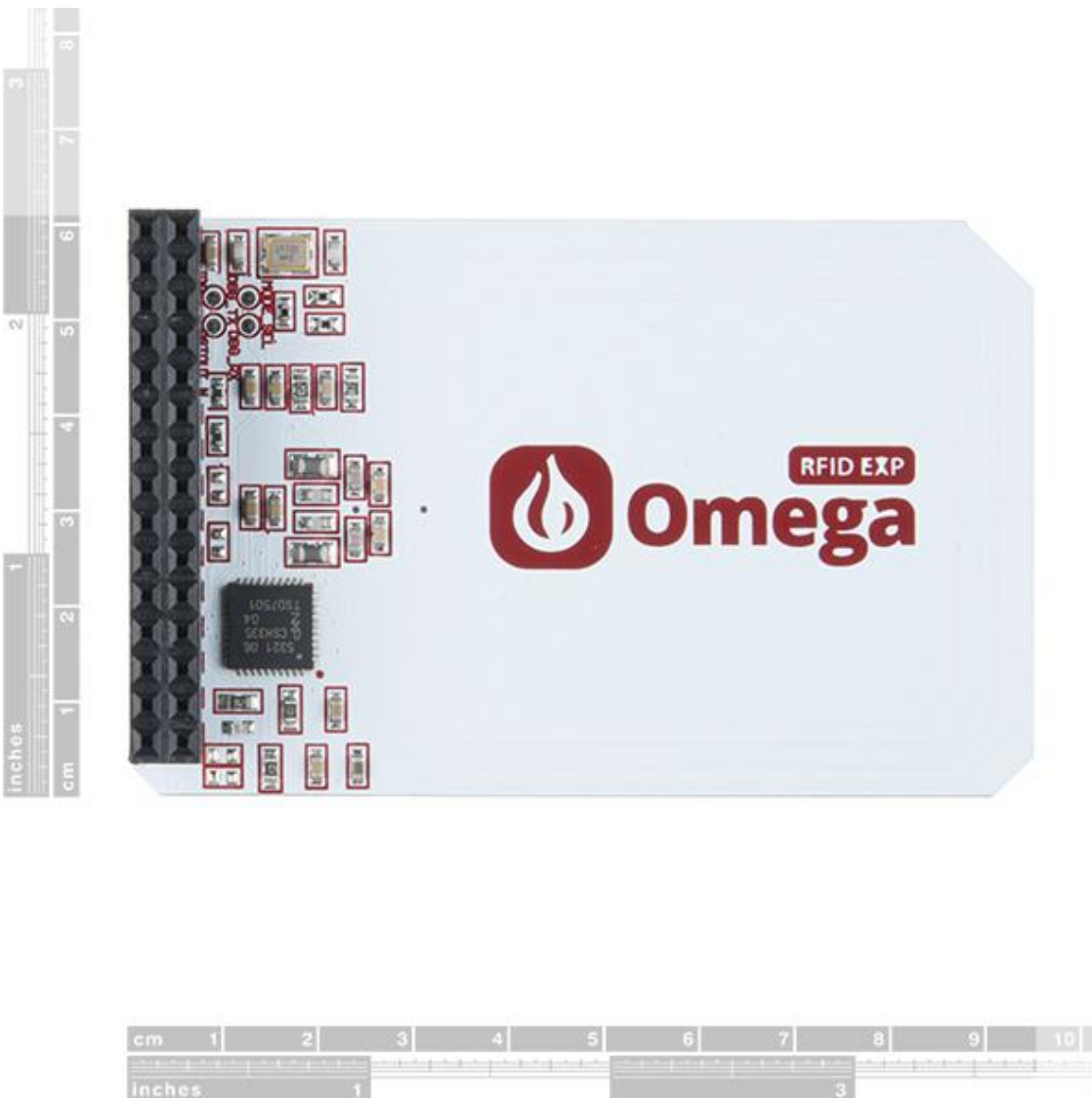
Note: You will only be able to read MIFARE Classic® tags, not write. If you wish to do both you will need to make sure to use a MIFARE Ultralight® tag instead.

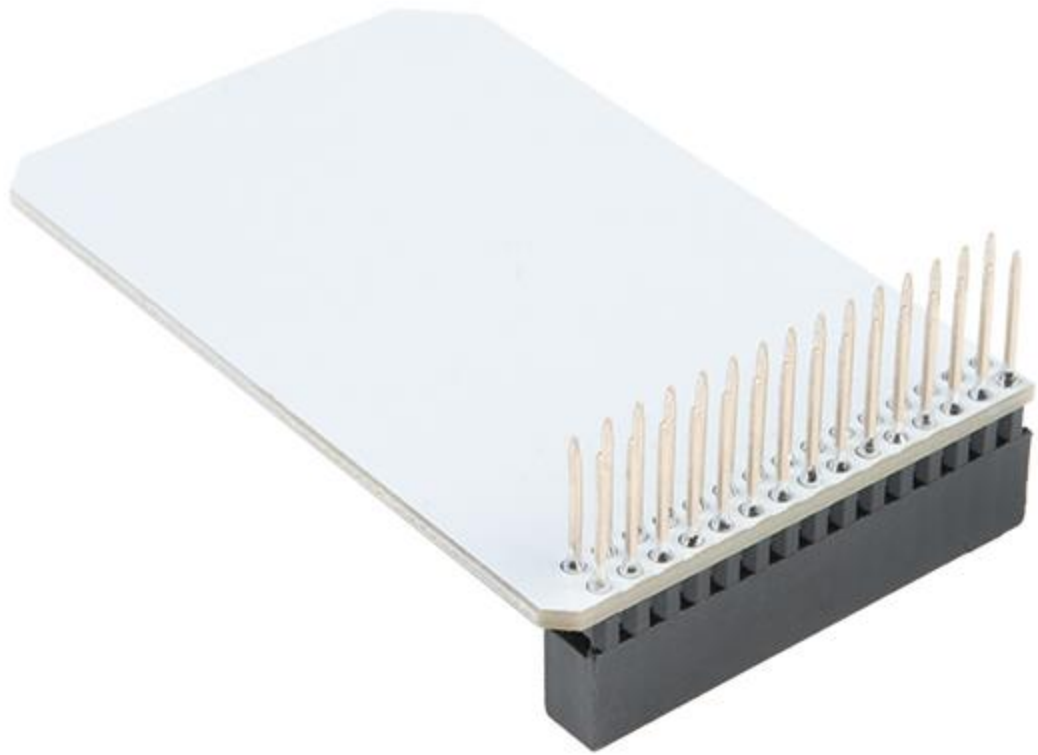
INCLUDES

- 1x NFC-RFID Expansion Board
- 2x NFC-RFID stickers with 100 bytes of storage

DOCUMENTS

- NFC-RFID Expansion Hardware Overview
- How to use the Ethernet Expansion





<https://www.sparkfun.com/products/14634> 4-16-18