

Qwiic DA16200 WiFi Shield

WRL-18567

Product Overview

10/14/2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

Sparkfun Qwiic DA16200 WiFi Shield is a WiFi module fully integrated with RF performance, ultra-low power consumption, and an easy development environment. This WiFi module features a 32.768KHz RTC clock, and RF lumped RF filter, 4MB flash memory, a 40MHz crystal oscillator, and an onboard chip antenna. The Qwiic DA16200 WiFi shield comes with multiple sleep modes with the advantage of current that draws as low as 0.2 μ A to 3.5 μ A. The DA16200 module is a certified WiFi alliance for WiFi direct, IEEE802.11b/g/n, and WPS functionalities. This WiFi shield is ideal for sensors, thermostats, door locks, pet trackers, and other home IoT projects.



Features

- Three ultra-low power sleep modes
- Qwiic connector for Arduino
- Three ultra-low power sleep modes
- 32M-bit/4M-byte SPI flash memory
- 2 UARTs
- On-Chip RTC
- WiFi processor:
 - IEEE 802.11b/g/n, 1x1, 20MHz channel bandwidth, and 2.4GHz
 - IEEE 802.11s Wi-Fi mesh
 - WPA/WPA2-Enterprise/Personal, WPA2 SI, WPA3 SAE, and OWE

Specifications

- 2.1V to 3.6V operating voltage range
- 3.3V logic voltage
- 3.5 μ A sleep current
- 30MHz to 160MHz Arm Cortex-M4F core w/ clock frequency range

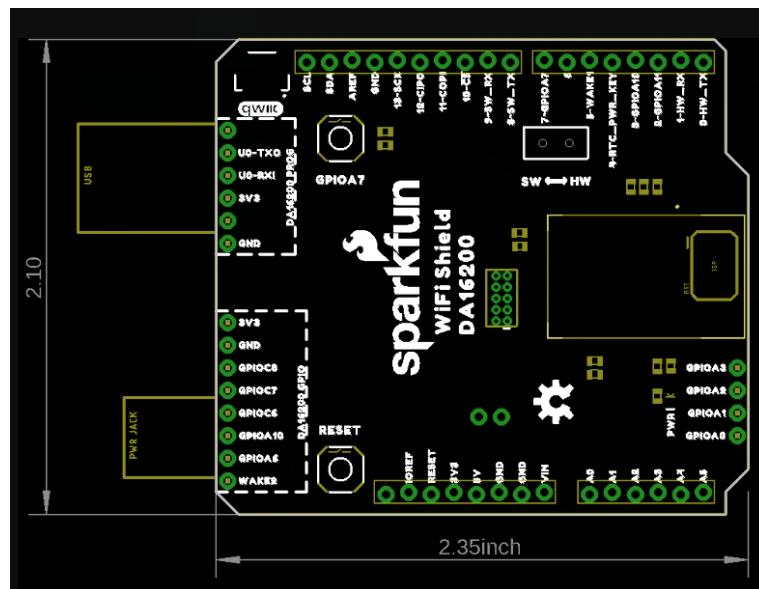
Additional Resource

- Schematic

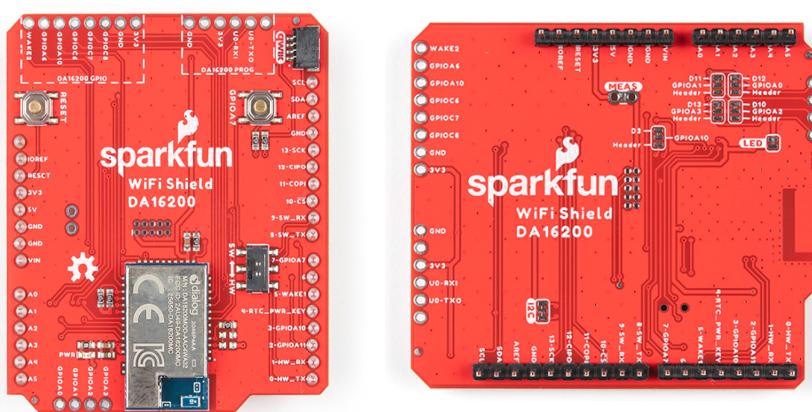
Applications

- Door locks
- Sensors
- Thermostats
- Pet trackers
- Other home IoT projects

Board Dimensions



Board Overview



The information contained in this document should be used as a guideline only.

Mouser Part Number

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To learn more, visit <https://www.mouser.com/new/sparkfun/sparkfun-qwiic-da16200-wifi-shield/>