

Micro:IoT Expansion Board

MBT0012

Product Overview

07-22-2022

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

Description

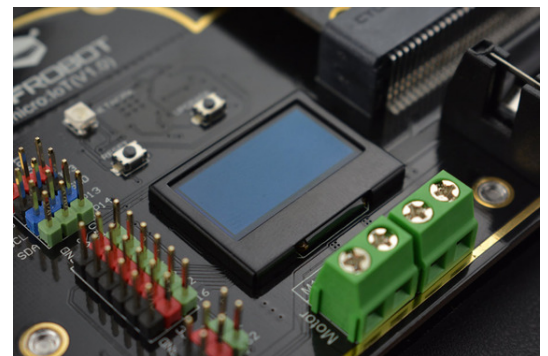
DFRobot MBT0012 Micro: IoT Expansion Board is an easy-to-use micro: bit-based teaching tool developed for non-experts to get started on IoT platforms. This board features integrated Wi-Fi, OLED, 2-way motor drive, 1-way serial port, 1-way buzzer, and many more resources to build IoT applications.

The micro: IoT board comes in a cloud-based design that is more suitable for the IoT theme. This IoT development board runs on a 3.6V CR123A lithium rechargeable battery and offers small size, high capacity, and high safety. The micro: IoT development board employs an easy interface and does not need complicated background knowledge to build IoT applications.



Features

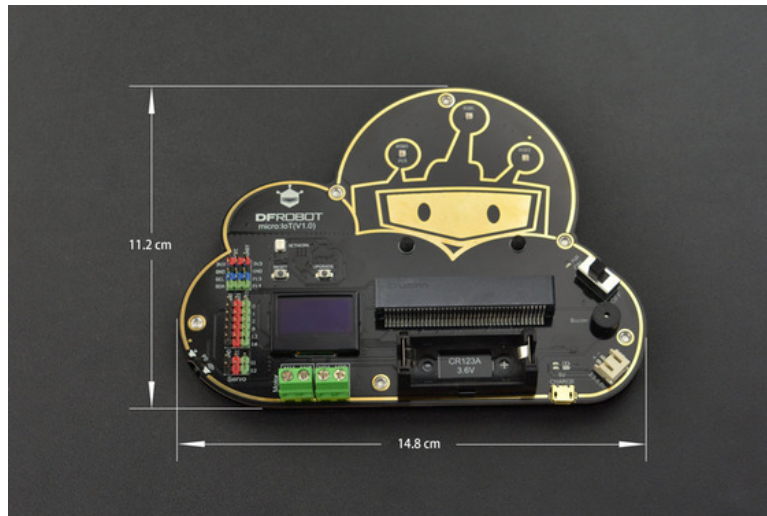
- Large size and function integration make teaching easier
- Supports makecode, mind+, and python
- Integrated Wi-Fi IoT module
- OLED screen
- PMMA packaging that prevents damage to the inside components
- 2-way motor drive
- 2-way servo
- 6-way IO port
- 3-way RGB LED for programming.



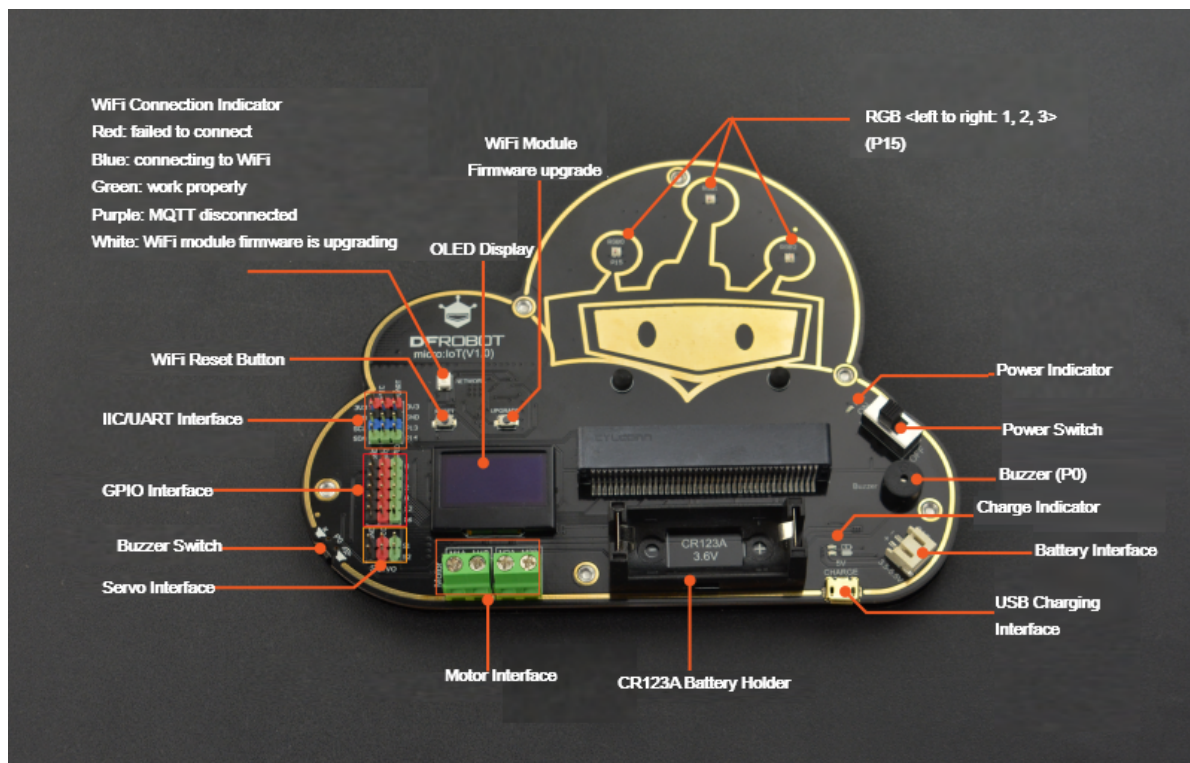
Specifications

- 3.6V CR123A rechargeable Li-ion battery
- 0V to 3.3V DC analog input voltage
- 148mm x 112mm/5.83" x 4.41" dimensions
- 0V/3.3V digital output voltage
- 0 x 01 STM8S IIC address

Board Dimensions



Board Overview



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-mbt0012-micro-iot-board/>