

 This product contains battery, might applies to shipping constriction.

Description

The AirBoard is a wireless, modular and ultra low-power prototyping platform for the Internet of Things, designed to explore, hack and deploy your killer idea out in the field.

Note

The AirBoard comes with a built-in battery. The AirBoard has been designed to be wirelessly reprogrammable. The microUSB connector is used for battery charging only. To upload a new program, you will need additional wireless shields such as XBee or BLE and their associated USB dongle, or an external serial connection over FTDI.

Features

- **Go wireless**
- Explore the hottest wireless technologies today: with its popular Bee form factor, the AirBoard features a socket for XBee, Bluetooth, BLE and WiFi wireless shields, as well as the recent GSM/GPRS, SIGFOX and LoRa WAN long range IoT modules. Simply swap the radio for instant communication and WPAN Over-The-Air Programming.
- **Iterate quickly**
- The AirBoard was designed with productivity in mind. Design and iterate quickly with the built-in open solderless breadboard. Only Arduino's most popular I/Os are exposed, in order to lower the cognitive barrier and encourage the highest experiment turnover. Snap in hundreds of sensors and experiment a whole library of interactions in just seconds.
- **Deploy your device in the field**
- Beyond the Internet of Things, ubiquitous devices require efficient Power and Data Management strategies to become truly autonomous.
- **Ultra Power Efficient**
- Forget about your sensors with the built-in battery and Power Management System. The AirBoard is designed for ultra low-power applications, yet capable to drive long range wireless shields. It offers an ultra-low power sleep mode with switchable radio for most efficient communication strategy.
- **Your first sketch in seconds**
- Start programming straight from the box with this superb web IDE by codebender. All required libraries and quick start source codes have been installed already. And with the pre-loaded Arduino Fio bootloader, you can also use the Arduino IDE. So why don't you wait and start sketching now!
- **Make your own App**
- It's no longer needed to be an expert in programming to build pretty AND functional Graphical User Interfaces. Have fun interacting with your tangible hardware right away! Just drag and drop a whole library of widgets to build your own mobile app. remotexy and Blynk work seamlessly with the AirBoard and are great examples of bringing rapid prototyping to everyone.

The AirBoard - prototyping platform For IoT

SKU 114990395     

IN STOCK 24 Available

– 1 +

ADD TO CART

- Description
- Best-sellers
- Technical Details
- Questions and Answers
- View History

Specification

Size and Weight

- 41x25x9mm
- Weight, including battery: 10g

Native Arduino Processor

- Arduino compatible
- ATmega328P processor @ 8MHz
- Pre-loaded Arduino Fio bootloader
- Arduino IDE support
- Codebender web IDE support

Open solderless breadboard and socket headers

- 7x GPIO, I2C, SPI, 2x 10-bit ADC, 3x PWM
- 5VUSB/500mA, 3.3V/200mA power outputs
- Up to 18x GPIOs, 6x 10-bit analog inputs or 6x PWMs

Bright RGB LED

- RGB LED, up to 2240mcd, 120° viewing angle

Wireless

- « Bee » socket form factor
- Wireless support: XBee, Bluetooth 2.1, Bluetooth Low Energy 4.0, WiFi,GSM/GPRS, SIGFOX, LoRa WAN
- 2-channel Over-The-Air Programming (OTAP)
- 5-second programming via XBee, Bluetooth, WiFi

Ultra Low Power Management System

- 155mAh rechargeable lithium-ion battery
- 1A switchable RF LDO
- 330nA system deep sleep
- Autonomy in sleep mode: 2-3 years
- Autonomy in communication: 6 months (XBee 1 data/minute)

Built-in battery charger

- 1-cell Li-ion USB charger
- Battery Over Current, Charge & Discharge protect
- Battery level indicator, charge status, USB voltage monitor
- Charge time: 1.5 hours


Part List

- 1x airboard
- 1x Lipo battery


Documents

- [Datasheet](#)
- [Schematics](#)
- [Quick Start](#)

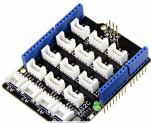
Best-sellers




ESP-32S Wifi Bluetooth Co...



LinkIt Smart 7688 Duo



Base Shield V2



LinkIt ONE

Technical Details

Weight	G.W 12g
Battery	Lithium Cells / Batteries contained in equipment UN3481 - PI967

Questions and Answers

Have a question about this? Ask people who own it.

0

Hi, does the basic AirBoard provides Wifi wireless connection or we have to by in additional the shield.
Best regards, Walter

wallen1974 on Apr 15,2017

Reply |
upvote (0)

Hello, the basic AirBoard DOES NOT provide Wi-Fi or others wireless connection. You have to add a Bees series for the IoT function.Thanks.

ae on Apr 17,2017 11:03 AM

Reply |
upvote (0)

0

Hello, Does the airboard is provided with the BLE shield from DRobot and the usb dongle for programming? Thanks for your answers.Alexis

on Oct 19,2016

Reply |
upvote (0)

please refer to <http://www.seeedstudio.com/wik...>, for the detailed information about the LED indicators.

luo G.ss on Oct 20,2016 10:47 AM

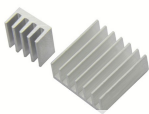
Reply | upvote (0)

This is the Basic AirBoard only with built-in battery.You can get BLE shield (requires hack) and dongle directly from DFRobot.


TheAirBoard on Dec 04,2016 17:32 PM

Reply | upvote (0)


View History




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Raspberry Pi B+&2&3 Acry...



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