



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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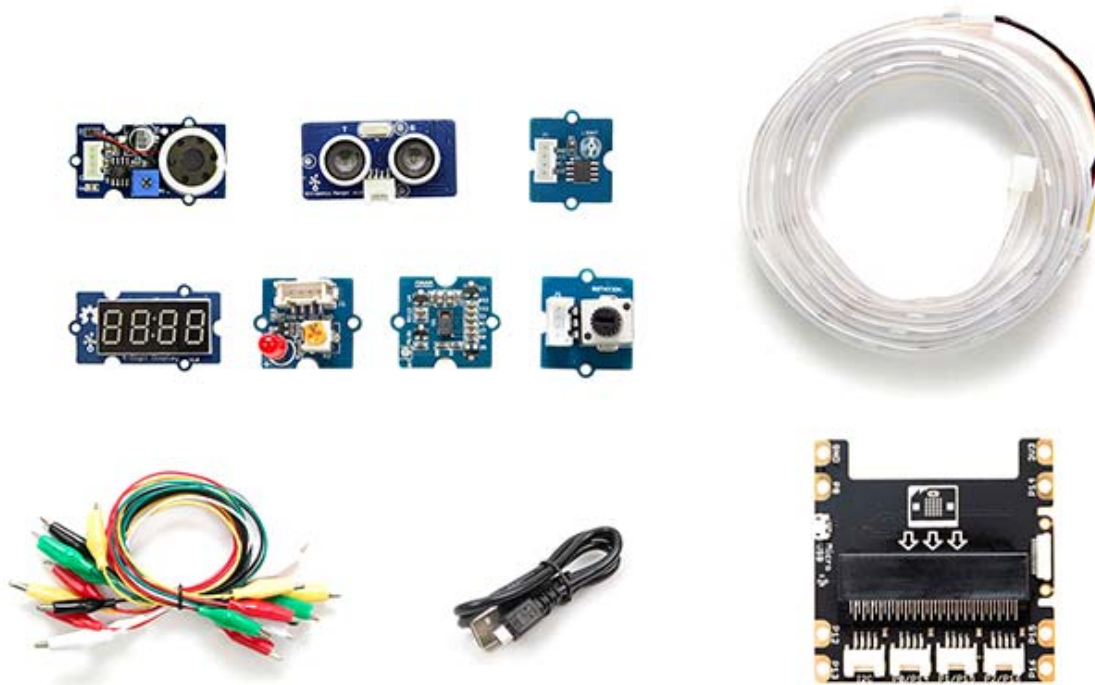
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Grove Inventor Kit for micro:bit

SKU 110060762



Description

The BBC micro:bit is a pocket-sized computer that can easily realize your creativity without much electrical and coding knowledge. There are numerous possibility of creation you can dig out by micro:bit, from robots to musical instruments. However if you want to create more things, just 1 micro:bit is barely not enough, That's why we introduce the Grove Inventor Kit for micro:bit to you.

The Grove Inventor Kit for Micro:bit brings endless possibilities to your micro:bit. The core board in this kit is the Grove shield for micro:bit, with which you can use plenty of Grove modules including sensors, display, actuator to interact with micro:bit. If you never used and have no idea what grove is, here is the introduction of Grove. All you need to know is that with Grove, there is no need of soldering or jump wires any more. Your prototyping will be easier and much more convenient.

We have already prepare 10 grove modules to let you get started with micro:bit. With these grove modules, you can measure distance and display it, use gesture to play different music, or make a smart guard for your desk or room. We have prepared all the necessary libraries(packages) for free download. If you are a beginner to micro:bit, don't worry because we have also prepare 12 different project which can teach you step by step. If you are an advanced user, this kit will help you more creative project than others.

Features:

- Cool extension shield with rich and convenient peripherals;
- 10 well selected Grove modules for working with micro:bit;
- 12 awesome projects to let you get started quickly;
- Well documented instruction.

12 Projects

- Control the Light
- Sunshine micro:bit
- LED Bar Controller
- Music Player
- Gesture Recognition
- Smart Guard
- Shake Counter
- Ultrasonic Meter
- Rainbow on The Desk
- Guardians of The Secrets in Your Bag
- Guardians of The Secrets in Your Room
- Magic Musician
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Technical Details

Weight	G.W 329.5g
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Battery	Exclude
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Part List

Grove Shield for micro:bit	1
Grove - Rotary Angle Sensor(P)	1
Grove - Speaker	1
Grove - Ultrasonic Ranger	1
Grove - Light Sensor v1.2	1
Grove - WS2812 Waterproof LED Strip - 30 LEDs 1 meter	1

Grove - Gesture	1
Grove - 4-Digit Display	1
Grove - Red LED	1
Micro USB Cable - 48cm	1
12 Projects Manual	1
Alligator Cable	10
Grove Cable	7