

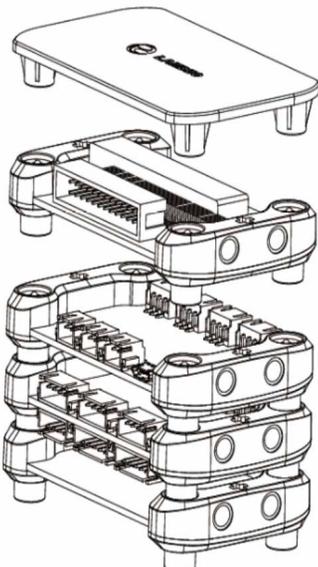


# Dubhe Micro:bit Artificial Intelligence Learning Kit (Smart Edition)

Product Name    Micro:bit development Smart kit

**Product Description**    Dubhe Smart Edition is a stackable AI programming learning kit which is based on Micro:bit, integrating sensor, DIY learning, game entertainment, motor driving and Python programming. This product is composed by four boards which can be stacked by magnet, Micro bit main board and 19 electronic modules. Micro:bit is a Micro computer board designed by BBC for teenagers' programming education and developed by Microsoft, samsung, ARM, Lancaster university and other partners.

## Features:



### Building block stacking

Plug and play  
Magnetic stacking design  
Artificial intelligence kit

### Easy-to-use

Drag your finger and automatically generate control code, easily comprehensible (artificial intelligence, graphical programming)

### Application scenarios

Up to 40 STEAM application scenarios

### Time and labor saving

Simple and labor-saving Dubhe connection more suitable for primary and middle school students

### Safe and reliable

More reliable design and plug and play integration interface to prevent short circuit and damage

## Specifications:

|             |                        |
|-------------|------------------------|
| Professor   | ARM Cortex-M0 nRF51822 |
| Device Core | 32-bit ARM Cortex M0   |

## Package Includes:

### 扩展板/Expansion board

|  |   |   |   |   |   |
|--|---|---|---|---|---|
| MicroBit亚克力盖板<br>(Acrylic cover)   | MicroBit基础扩展板<br>(MicroBit expansion board)                                       | MicroBit驱动扩展板<br>(MicroBit driver expansion board)                                | MicroBit传感器扩展板<br>(MicroBit sensors' expansion board)                             | Micro USB一米数据线<br>(Micro USB cable * 1m)  | Microbit Bulk 开发板<br>(Microbit Bulk demo board)                                   |
|  |  |  |  |  |  |

### 开发板/Demo board

### 连接线/Cables

|  |   |   |   |
|--|---|---|---|
| 3P双头排线<br>(3pin double headed winding cable)                                     | 4P双头排线<br>(4pin double headed winding cable)                                      | 5P双头排线<br>(5pin double headed winding cable)                                      | 多彩面包线 (母对母)<br>(Dupont cable)(F to F)   |
|  |  |  |  |

### LED模块/LED module

|   |   |   |  |
|---|---|---|--|
| (LED red light)   | (LED yellow light)  | (LED green light)   | (RGB light)  |
|  |  |  |  |

### 包装/Packaging 传感器/Sensor module

|   |  |   |   |   |   |   |  |
|---|--|---|---|---|---|---|--|
| 磁盒包装<br>(Packaging)   | 数码管模块<br>(Digital display module)  | 超声波模块<br>(Ultrasonic module)  | 倾斜开关模块<br>(Tilt switch module)  | 霍尔磁力<br>(Hall magnetic)   | 震动开关<br>(Vibration switch)  | 温湿度传感器<br>(Temperature and humidity sensor module)                                | 超声波支架<br>(Ultrasonic holder)   |
|   |   |  |  |  |  |  |  |
| 光敏电阻<br>(Photoresistor)   | 旋转电位器<br>(Rotary potentiometer)  | (LED red light)   |   | (LED yellow light)  | (LED green light)   | (RGB light)   |  |
|  |  |   |   |   |   |   |  |

### 电机/Motor

### 附送资料/Attachment

|  |   |   |   |   |   |
|--|---|---|---|---|---|
| 130直流电机<br>(130DC motor)   | 130直流电机风扇叶<br>(Fan blade of 130DC motor)  | 9G舵机<br>(9G Servo)  | 配置清单卡<br>(Configuration list)   | 使用说明手册<br>(User instruction)  | 教学教材 (电子版)<br>(Teaching materials )<br>(E-version)                                  |
|  |  |  |  |  |  |



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