

MBIT112-32

MICRO:BIT KIT CONSTRUCTION MERVEILLEUX 32 EN 1 EF08239 SANS MICROBIT



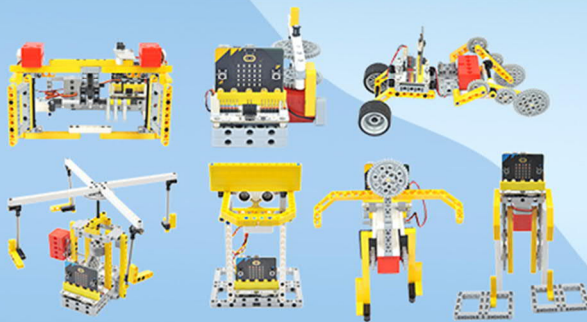
Description

The ELECFREAKS micro:bit 32 IN 1 Wonder Building Kit focuses on expanding the blocks with 32 projects available on the WIKI, giving you more options to create more projects. It is equipped with various electronic sensors such as a line tracking sensor, Sonar:bit, water level sensor, etc. to add more challenge and fun to your projects.

micro:bit Wonder Building Kit

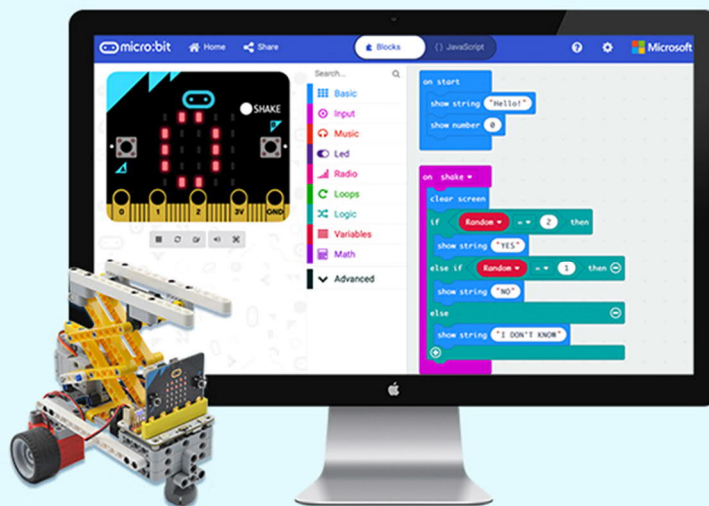
Fun Coding Puzzle Building Sent with 32 Projects

STEM Educational Gift for Kids



GRAPHICAL PROGRAM

Easy to Start even for Beginners



CASE RICH

The 32 projects are not all possibilities, you may create more projects with your imagination.

Bountiful Projects

The 32 projects are not all possibilities, you may create more projects with your imagination.



Robot Arm



Aerial Ladder Truck



The Bigfoot Monster



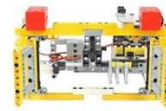
Basketball Counter



Boating



Rotary Chairs



Smart Ainer



Rickshaw



Road Sweeper



Automatic Doors



The Gyroscope Base



The Forklift



The Crawler



Obstacles-avoidance Cars



Line-following Cars

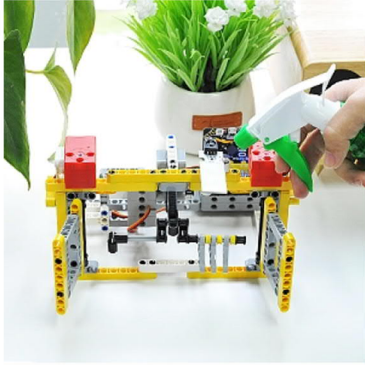


The Motorcycle

More projects could be explored...

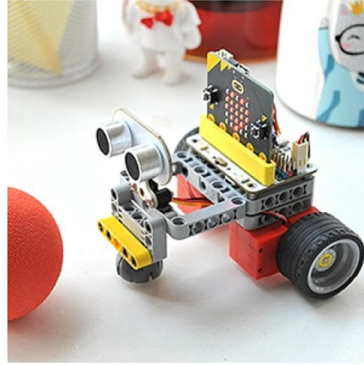
SEND WITH FUN SENSORS

(the line-tracking sensor, sonar:bit, and water level sensor)



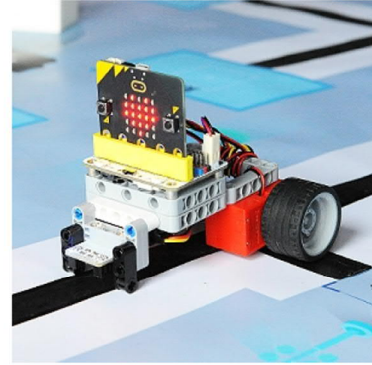
The Smart Ainer

When it rains, the ainer will automatically retract the clothes into the house after receiving the signal through water level sensor, and it will automatically extend out of the house when the weather is fine.



Obstacles-avoidance Car

The car can automatically avoid obstacles through the sonar:bit sensor.

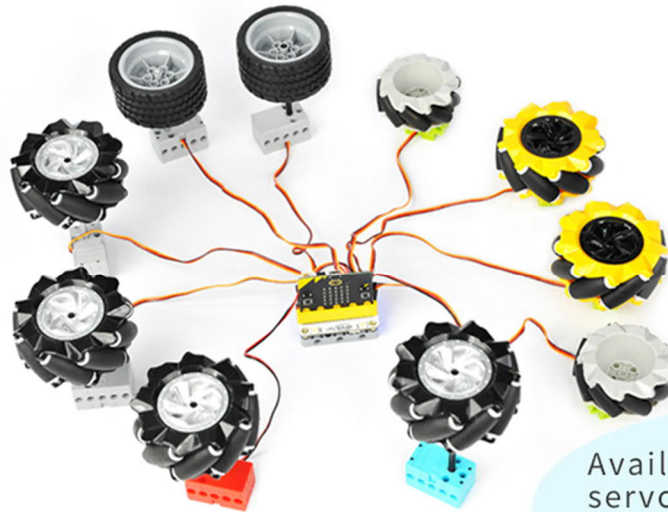


Line-following Car

The car can patrol the line through the line-tracking sensor, so there is no need to worry about deviation.

Wukong EXPANSION BOARD

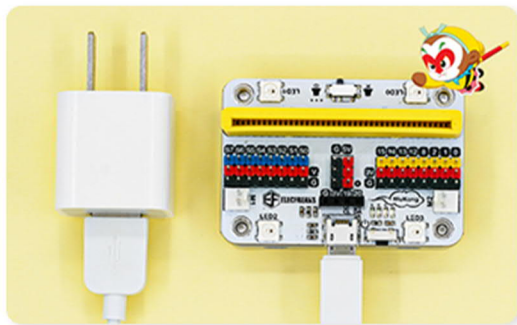
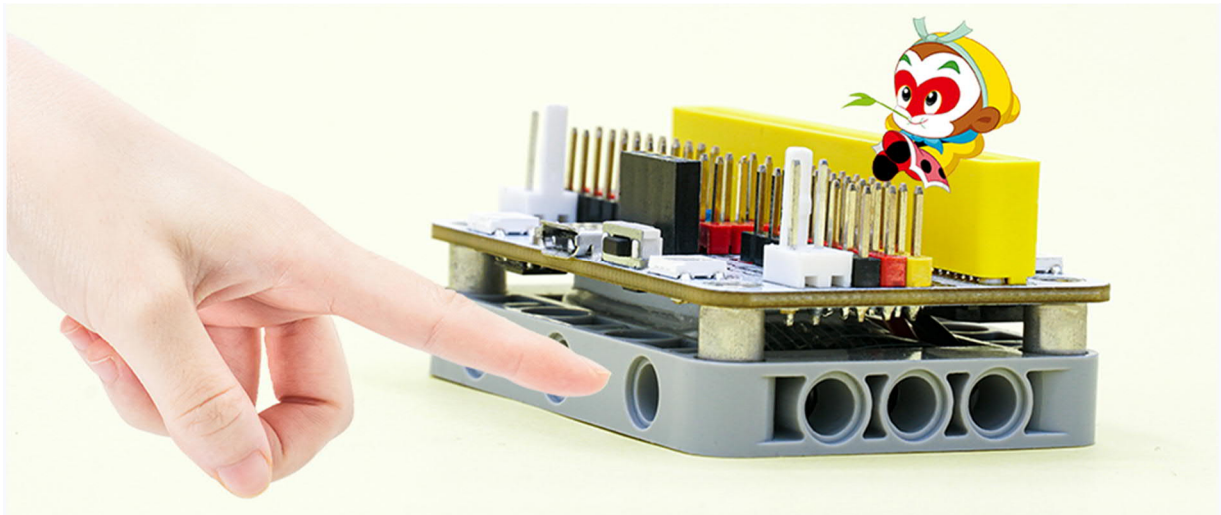
Small volume with sufficient energy



Available to drive 8 servos and 2 motors at the same time.

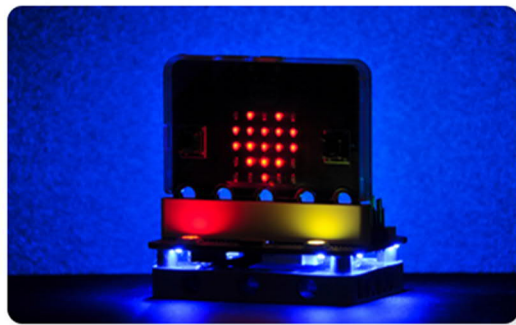
COMPATIBLE WITH

It has a similar size to micro:bit, and there are four fixed holes for 7x5 bricks on the backside.



Support fast charge

The full charging only needs 20 minutes, and the batteries protect themselves from overcharge or short-circuit.



Bright breathing LEDs

Cool your projects from the colorful atmosphere LEDs and blue breathing LEDs!

KIT SPECIFICATION

| Item | Parameter |
|---------------|------------------------------------------------------|
| Sensors | Water level sensor, line-following sensor, Sonar:bit |
| Bricks | Over 400pcs |
| Controle | micro:bit & Wukong expansion board |
| Communication | USB port |
| Size | 250 x 190 x 100mm |
| Weight | 1150g |
| Motor drive | 2 ways(M1,M2) |
| Servo drive | 8 ways(S0~S7) |

| | |
|----------|--------------------------|
| Projects | 32 projects are provided |
|----------|--------------------------|



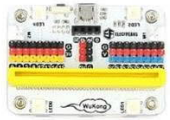







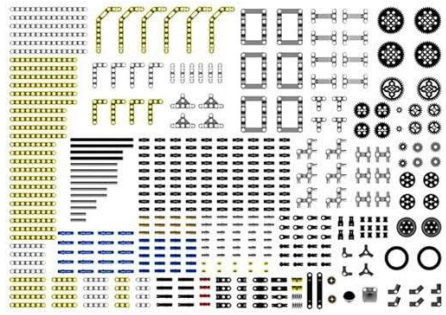


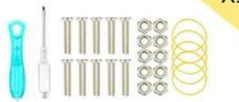

Wukong EXPANSION BOARD SPECIFICATION

| Item | Parameter |
|-------------------|--------------------------------------------|
| Power System | Click once to start, double-click to close |
| Battery | 400mAh polymer lithium |
| Working Voltage | 3.7v~5v |
| Working Temp | -20°C~60°C |
| Size | 40 x 58mm |
| Weight | 41.6g |
| Motor drive | 2 ways(M1,M2) |
| Servo drive | 8 ways(S0-S7) |
| IO Ports Lead-out | P0/P1/P2/P8/P12/P13/P14/P15/IIC |
| Rainbow LED | LED0/LED1/LED2/LED3 |
| Atmosphere LEDs | 4 programmable LEDs |
| baseboard | Standard 7 x 5 baseboard |

PACKING LIST

Packing List

not include micro:bit

| | | | |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
|  <p>X1</p> <p>Wukong expansion board</p> |  <p>X1</p> <p>Line-following sensor</p> |  <p>X1</p> <p>Sonar:bit</p> |  <p>X1</p> <p>Water level sensor</p> |
|  <p>X2</p> <p>Red motors</p> |  <p>X1</p> <p>Grey servo</p> |  <p>X1</p> <p>Dupont wire without buckle</p> |  <p>X3</p> <p>Dupont wire with buckle</p> |
|  <p>400+</p> <p>Bricks</p> |  <p>X1</p> <p>Line-following map</p> |  <p>X1</p> <p>Castor wheel</p> |  <p>X1</p> <p>Accessories</p> |
| |  <p>X1</p> <p>USB wire</p> | | |

LEARN

[Wonder Building Kit](#)