

# Nezha 48 IN 1 Inventor's Kit

Steam Educational Gift For Kids



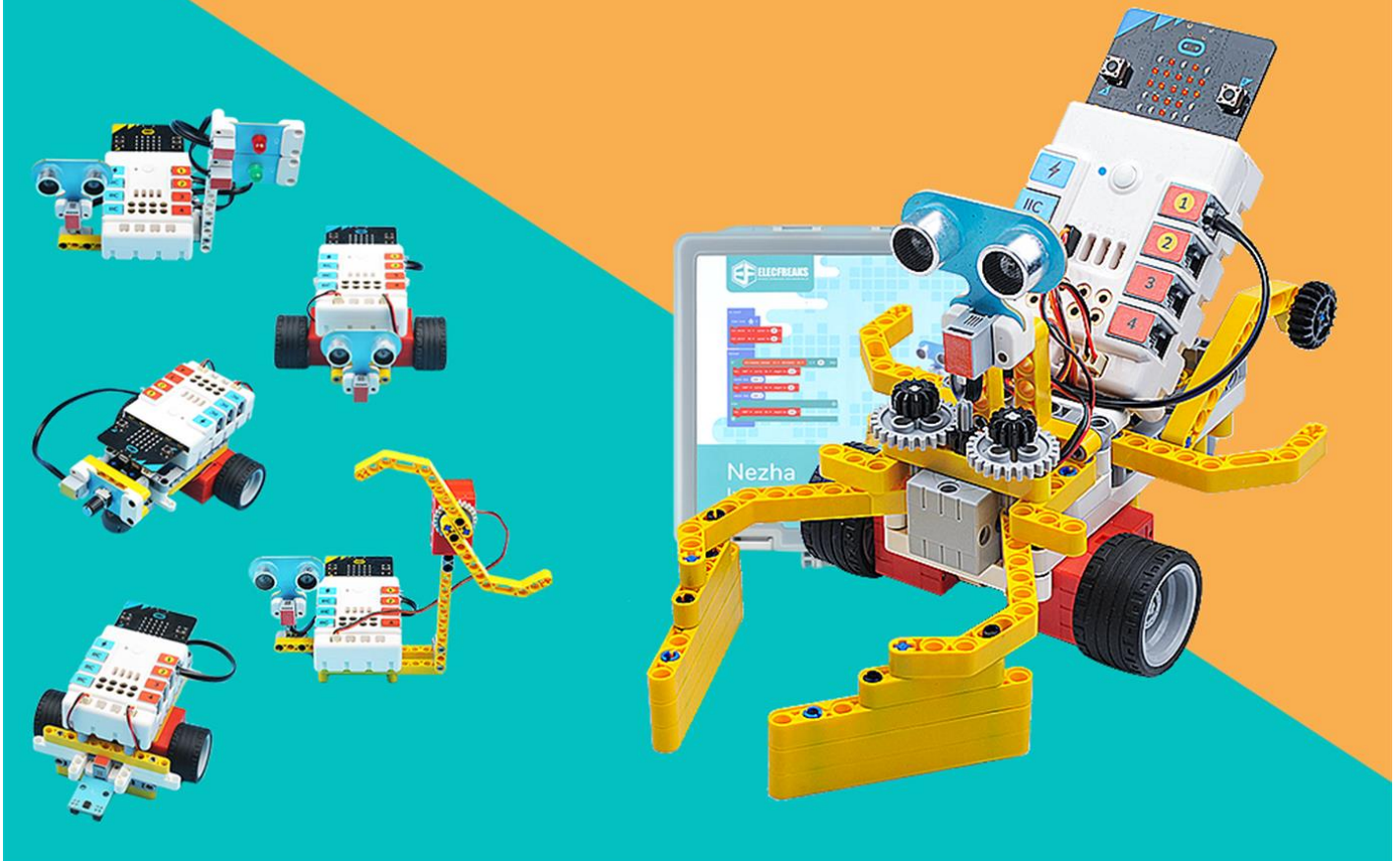
48+ Projects



Rich Accessories



Multiple Programming

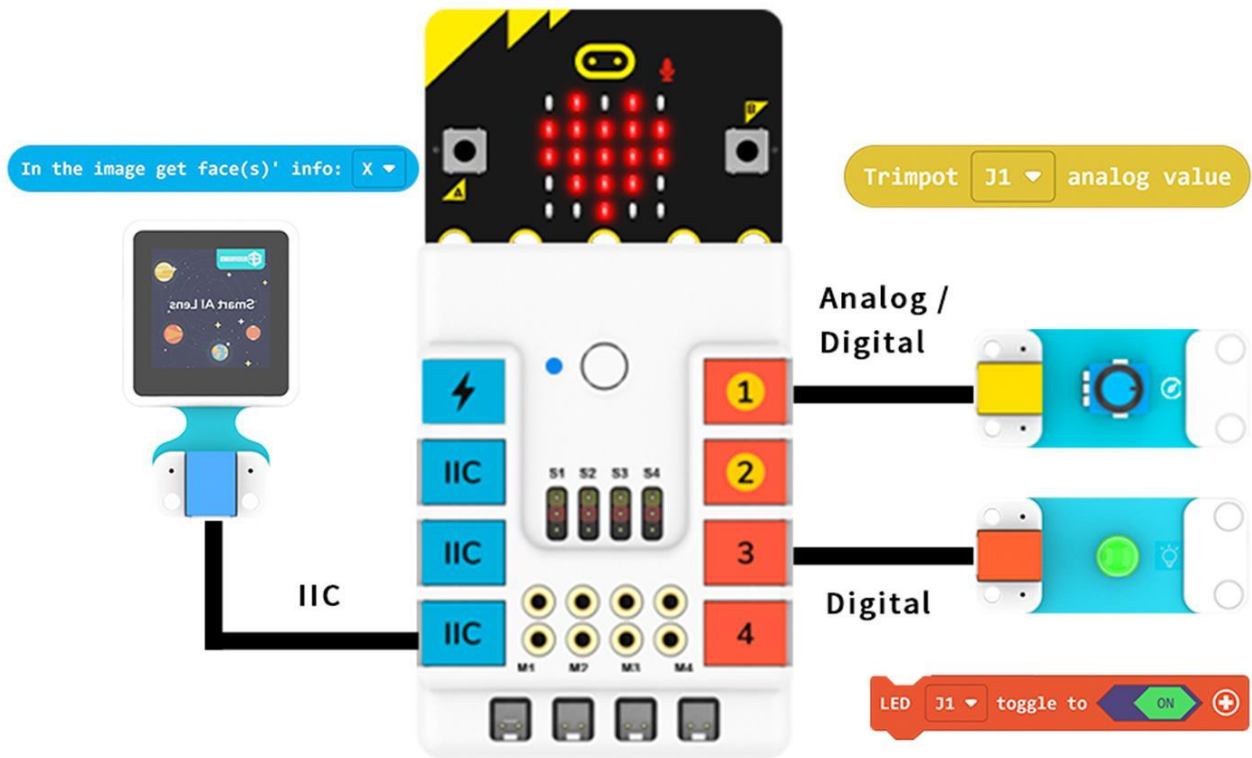


## Description

Based on Planet X sensors, ELEC-FREAKS micro:bit Nezha 48 IN 1 Inventor's Kit is designed for BBC micro:bit. It contains multiple sensors and modules including LED, trumpet, soil moisture sensor, ultrasonic sensor, crash sensor, line-tracking sensor, etc., and also over 400 pieces of building bricks. We've built over 70 cases with this kit and the Interactive coding accessories pack aiming to cultivate and inspire kids' creativity and imagination. Make each kid be an inventor from ELEC-FREAKS micro:bit Nezha 48 IN 1 Inventor's Kit.

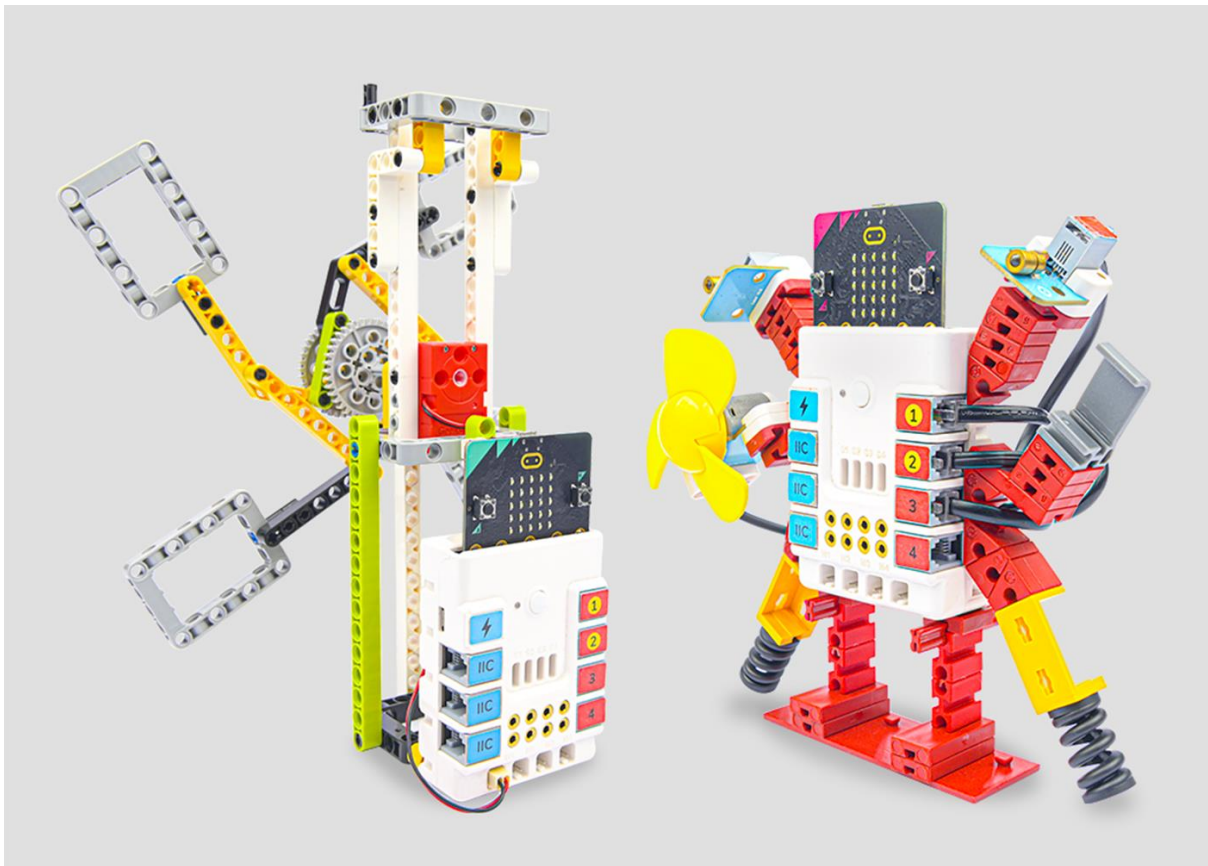
## Smart Wiring Port

Unique color identification, identify the ports of digital, analog, and IIC with the colored labels. Also using the RJ11 connector is convenient for children to use and connect.



## Compatible Rich

Compatible with the most well-known brand building blocks on the market.





## Accessories Rich

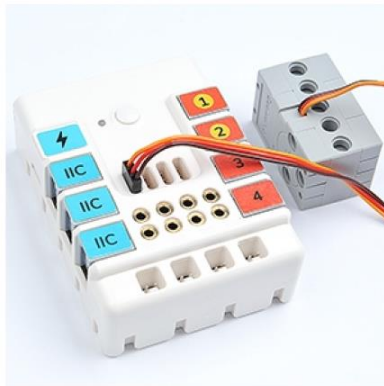
400+ particles, 11 electronic modules.



## Simple Connection Detail Display



RJ11 wire(4P4C) is connected to the Nezha expansion board



360° servo is connected to Nezha expansion board by 3pin interface



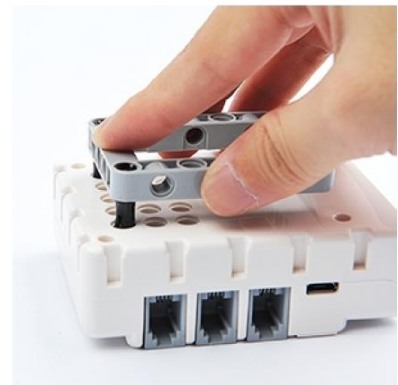
motor is connected to Nezha expansion board



RJ11 wire(4P4C) is connected to the Planet X Sensor



Planet X Sensor is compatible with building bricks



Nezha expansion board is compatible with building bricks

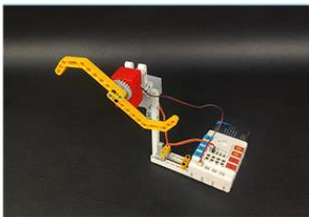
## Expand Rich

Our Product can support up to 40+ sensors. Like LED, trumpet, soil moisture sensor ultrasonic sensor, crash sensor, line-tracking sensor, etc...

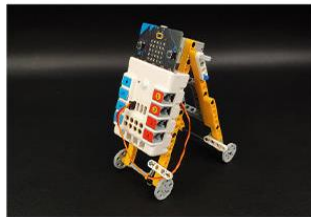


## RICH CASE

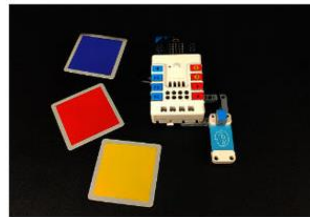
48+ basic cases, more cases can be expanded with our accessories.



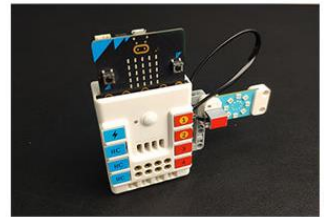
AN OSCILLATING FAN



MICRO:BIT CRAWLERS



COLORS OF THE EMOTIONS



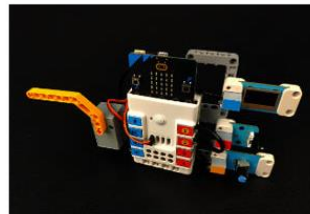
THE VOLUME INDICATOR



THE DAZZLING CAR



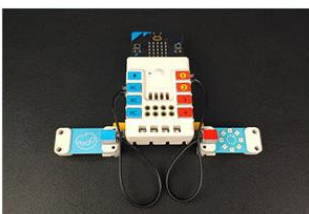
ADJUSTABLE LIGHTS



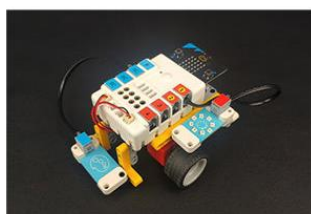
THE ROTARY PASSWORD DOOR



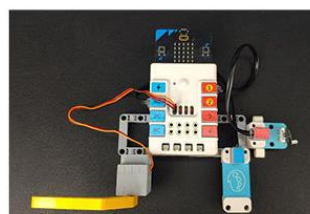
GESTURE RECOGNITION RING LEDS



COLOR-CONTROLLED LIGHTS



COLOR RECOGNITION CAR



COLOR RECOGNITION PASSWORD DOOR



GESTURE RECOGNITION CAR



## SUPPORT MULTIPLE PROGRAMMING

Four general programming methods, one set to learn four programming languages.



MakeCode



microPython



JavaScript

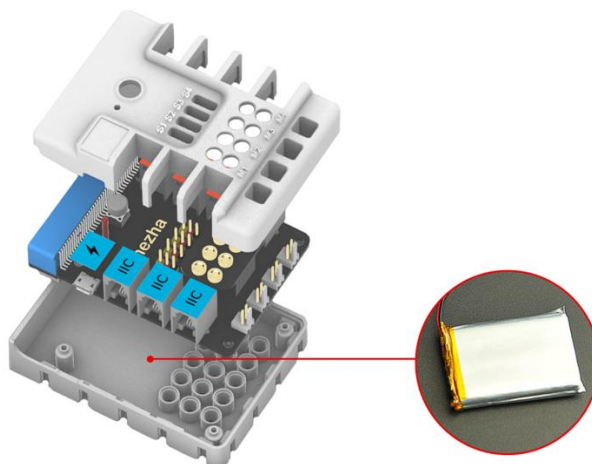
## EASY TO STORE & CARRY

Nezha kits come with a plastic toolbox for easy storage. The compartments of various sizes inside make storage more convenient and fast. And easy to carry.



## LONG BATTERY LIFE

Built-in lithium battery. With one charge, you can take 3 lessons.



## PACKING LIST

# Packing List

not include micro:bit



## SPECIFICATION

Item	Parameter
Shell	ABS fireproof shell
Circuit board	FR4 epoxy resin board, fire rating 94VO
Capacity	900mA lithium battery
Size	60*82*28 mm
Communication protocol	IIC, UART, and SPI
Program Type	Makecode, Javascript, Python and C++
Control board	micro:bit (not included)
Input voltage	5V
Charging current	1A