

Company Profile

Make Your Making Easier





A leading supplier of open-source hardware and electronic components

10

Years of innovation

150+

Members

5000+^{m²}

Factory

Elecrow, founded in **2014**, has grown from **2 co-founders** to **150+ members** in the last 10 years. Elecrow has emerged as a prominent provider of open-source hardware and electronic components, serving a global clientele with a wide range of exceptional products and services.

Brand info



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ELE

“ELE” is short for electronics

CROW

“crow” is hard-working
& one of the smartest bird

Brand Mission: **Make Your Making Easier**

Integrated company

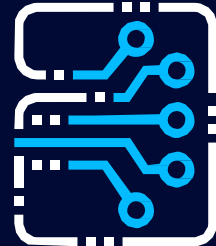
Elecrow is a trusted and experienced company, specializing in electronics R&D, design, and manufacturing. With over 10 years of professional expertise Elecrow delivers a wide range of high-quality products and services to customers worldwide. Committed to innovation, quality, and affordability, Elecrow prioritizes customer satisfaction.



One-stop Solution Provider for Makers



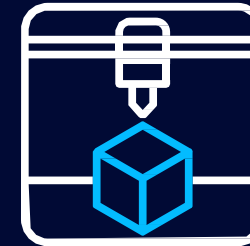
Open Source
Hardware



PCB Fab



PCB Assembly



Mechanical Prototyping



Partner Seller

Elecrow is a one-stop solution provider that offers a wide range of services including manufacturing, assembly, warehousing, logistics, and co-selling services to clients. Elecrow's unwavering commitment to innovation, superior quality, and competitive pricing has solidified Elecrow's reputation as a reliable and dependable collaborator for makers, technology enthusiasts, and industry experts worldwide.

Main Business



Products

**Manufacturing
Services**

Partner Seller

Product Categories

Make Your Making Easier

Open
Source
Hardware

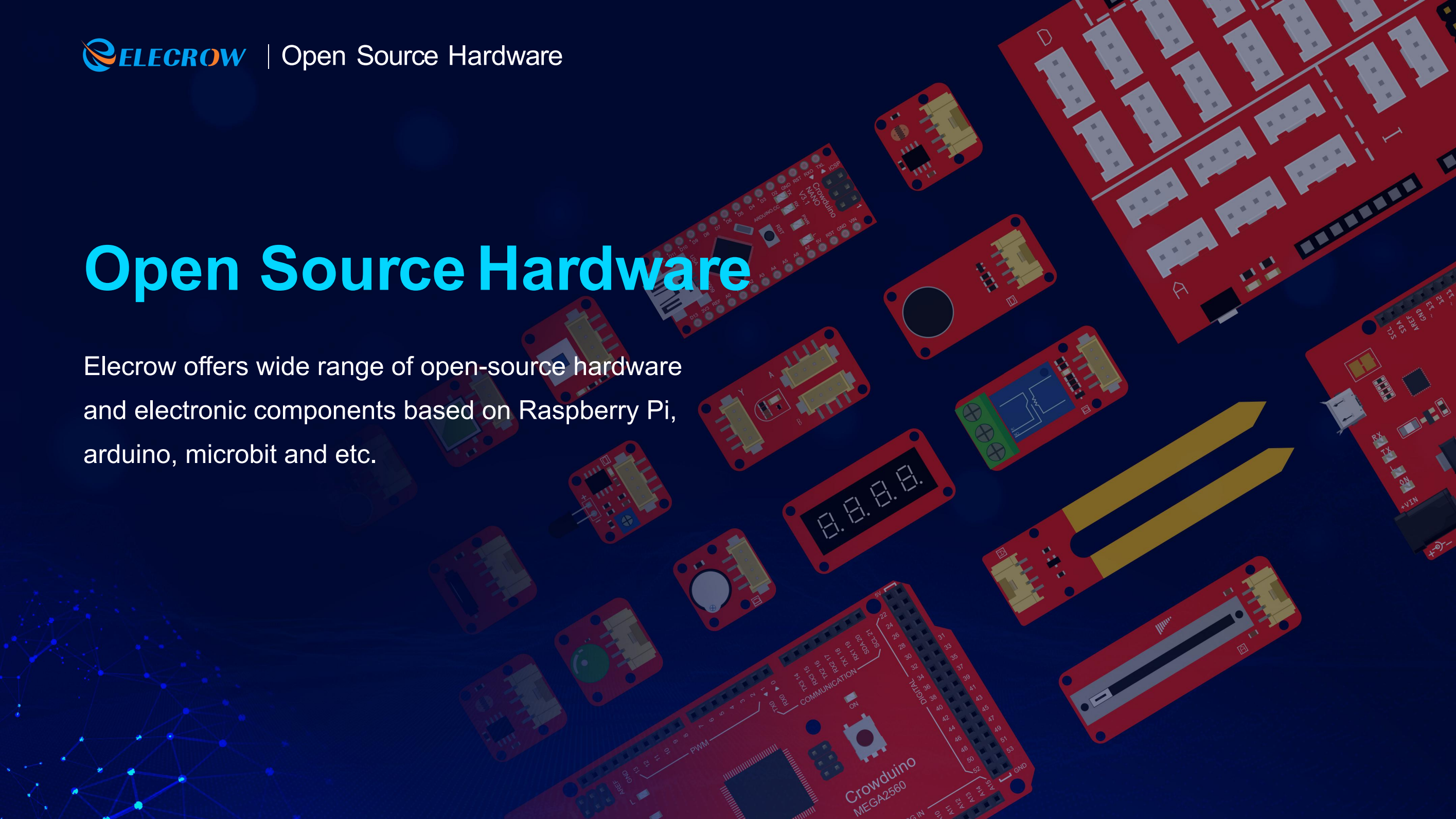
Display

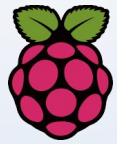
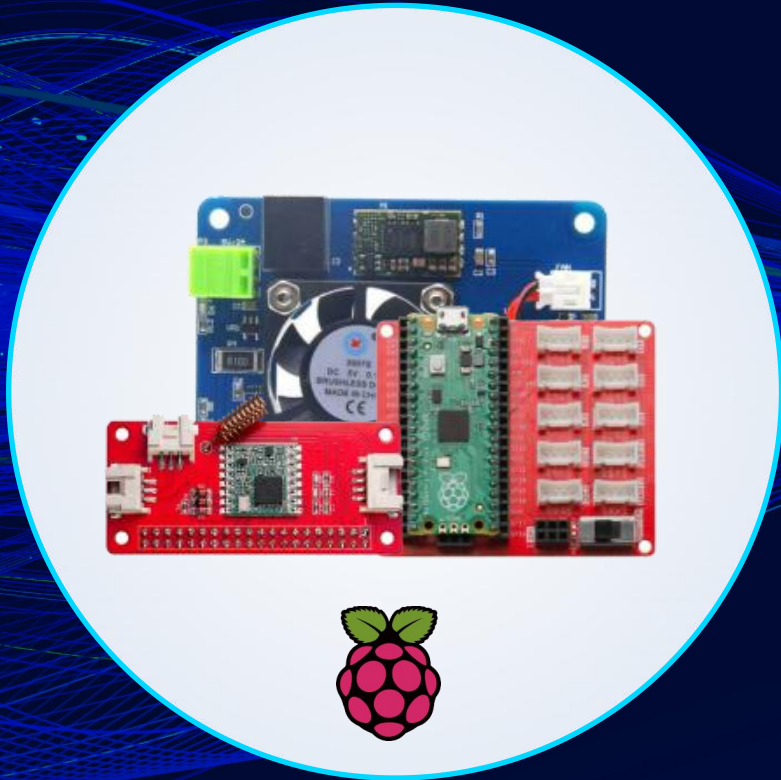
STEAM
Education

IoT

Open Source Hardware

Elecrow offers wide range of open-source hardware and electronic components based on Raspberry Pi, arduino, microbit and etc.





For Raspberry Pi



For Arduino



For Micro: bit



For Jetson & ESP & Others

Display

Elecrow offers a diverse range of display options, suitable for various applications such as computer monitors, Raspberry Pi displays, and entertainment or work purposes.

Customers can select the size, thickness, and functionality that best suits their specific requirements, ensuring a customized and personalized experience.





Elecrow RR035 3.5 Inch 480x320 TFT Display with Touch Screen for Raspberry Pi



RR040I 4 inch HD 800x480 Resolution IPS TFT Touch Screen Display for Raspberry Pi



RC050 5 inch 800*480 Capacitive Touch LCD Display for Raspberry Pi/ PC/ SONY PS4



CrowVision 7.0 Inch Touch Screen Capacitive Portable 1024*600 IPS LCD Monitor Rear Fixing for Raspberry Pi



RC101S 10.1 inch 1024*600 IPS Capacitive Touch Monitor with Speaker & Stand



CrowVision 11.6" Capacitive Touch Display HD 1366*768 IPS Screen for RPI LattePanda/Beaglebone/Jetson Nano, etc



RC070P 7 Inch 1024x600 Raspberry Pi Monitor Touchscreen Capacitive IPS Display with Built-in Speaker & Stand



SQ101T 10.1 Inch Potable Monitor 2K IPS Touch Screen 2560x1600 Display for Raspberry Pi PS4 XBOX Windows



Elecrow 11.6 Inch Touchscreen 1920x1080 IPS Monitor compatible with Raspberry Pi, Jetson Nano, Beaglebone



CrowVi Super thin 13.3 Inch 1920x1080 Touch Display IPS HD Portable Monitor with Touchscreen



CrowView- Ultimate 14" Portable Ultralight Dual Monitor support multiple system and 13"- 16.5 "laptops



MF156D 15.6 inch Ultra-thin Portable Monitor 1920*1080 Resolution Display



CrowPanel Display: 2.4"
LVGL/Arduino Supported HMI
Screen



CrowPanel Display: 2.8"
LVGL/Arduino Supported HMI
Screen



CrowPanel Display: 3.5"
LVGL/Arduino Supported HMI
Screen



CrowPanel Display: 4.3"
LVGL/Arduino Supported HMI
Screen



CrowPanel Display: 5.0"
LVGL/Arduino Supported HMI
Screen



CrowPanel Display: 7.0"
LVGL/Arduino Supported HMI
Screen



ESP32 HMI Screen: 3.5" TFT
Display of RGB Screen with chip
ILI9488



ESP32 HMI Screen: 3.5"
480x320 TFT Display with
OV2640 camera



STEAM Education

Elecrow places great importance on the learning experience of each customer and has designed STEAM education kits tailored for various learning groups. These exciting kits promote logical thinking and innovation skills, allowing users to enjoy the satisfaction of creating and learning.

CrowPi Series

All in One Raspberry Pi Laptop & STEM Learning Platform

CrowPi, CrowPi2, CrowPi L





reddot winner 2021

Crowbits

Crowbits, magnetic and programmable electronic blocks, arouse teenagers' interest in learning coding and electronics

80+

80+ Modules



Magnetic Pogo Pin



Compatible with Lego



Graphical Programming



Course

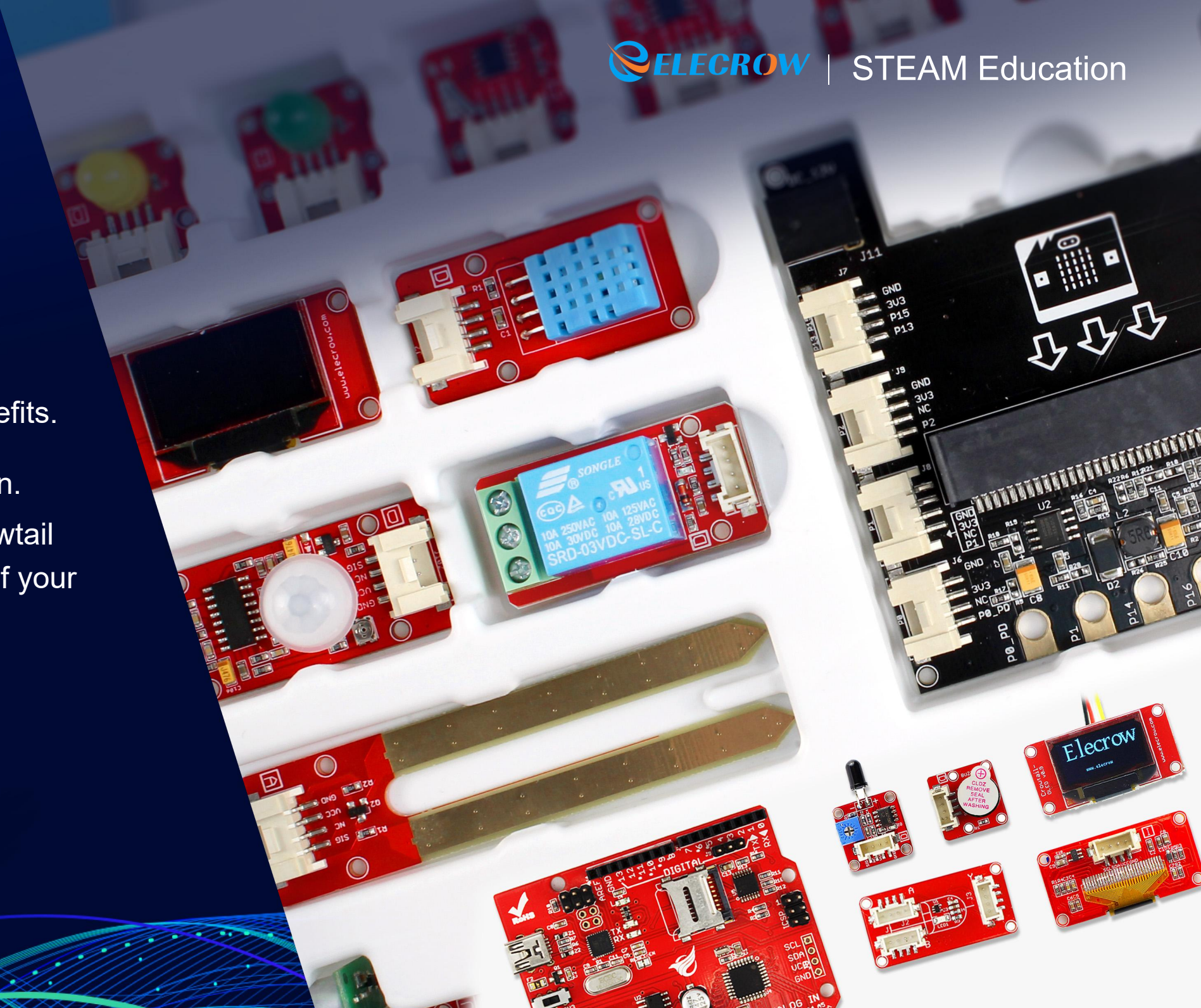


Crowtail

Crowtail has huge performance benefits.

More than **150** modules for option.

With standard **4pin** connectors, Crowtail facilitates easy and fast realization of your creative ideas by plug-and-play functionality.





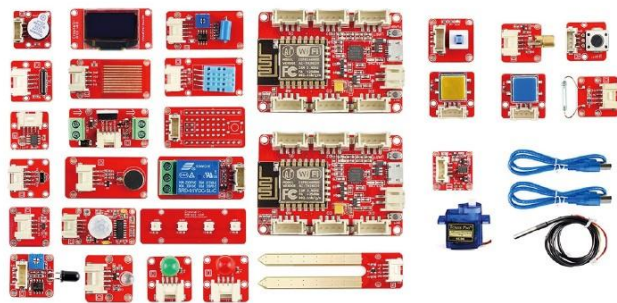
CrowBot BOLT Programmable Smart Robot Car STEAM Robot Kit



Crowtail Starter Kit for Arduino



Crowtail Advanced Kit for Arduino



ESP8266 NodeMCU IOT Kit



Crowtail Starter Kit for Micro:bit



Crowtail Starter Kit for Raspberry Pi

IoT

Elecrow provides IoT, WIFI, Bluetooth, LoRawan and other electronic modules of all kinds to satisfy your needs, choose the one that meets your demand to construct your electronic projects.





LoRaWan & LoRa

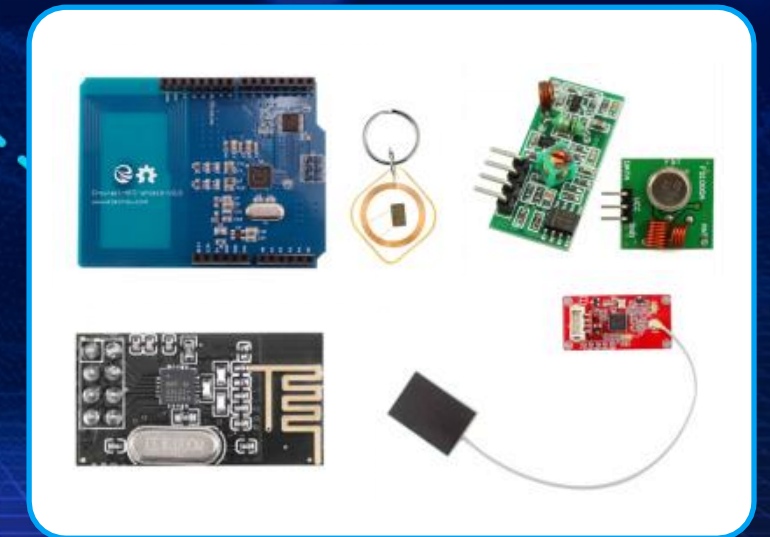


Wifi & Bluetooth



Cellular Network

IoT



2.4G RF & RFID

Multiple manufacturing services

Create value for customers and assure the best quality!

**PCB Fab
Service**

**PCB
Assmblly
Service**

**3D
Printing
Service**

**Acrylic
Laser
Cutting
Service**

**Molding
Service**

**Component
Sourcing
Service**

**CNC
Milling
Service**

**Electronic
Certificates
Service**

**SubAssembly &
Kitting Service**

Elecrow's state-of-the-art production facility spans thousands of square meters. Equipped with SMT, assembly, and testing production lines, as well as cutting-edge automatic production equipment such as Samsung SMT machines, full-automatic board machines, full-automatic solder paste printing machines, reflow ovens, and wave-soldering ovens.

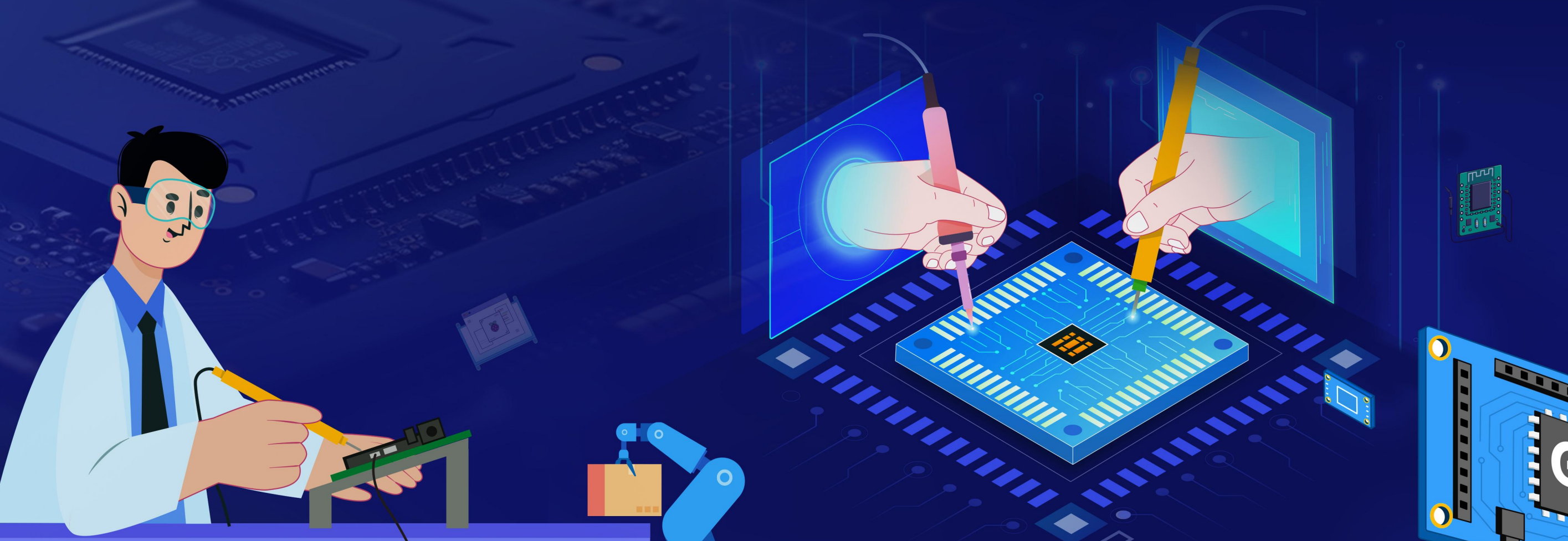
✓ **ISO 9001:2015 Certification**

✓ **ISO 131485**
certificate of medical devices quality management system

✓ **RoHS**

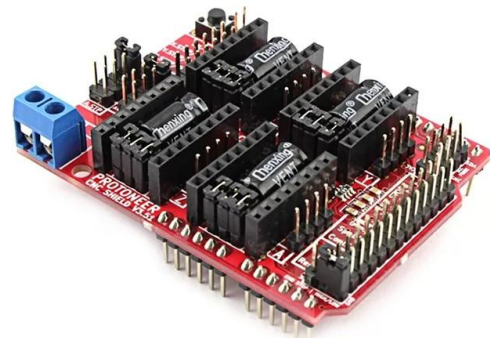
Elecrow Partner Seller Program

Elecrow helps individual electronics maker, DIY electronics hobbyist, hacker, tech enthusiast, business group, startup to sell the products in Elecrow, offering one stop solution including manufacturing, free warehousing, market promotion and global logistics.





Zigstar universal gateway



Arduino CNC Shield

DEEJ Physical Volume Mixer Electronics Kit



MEGO: Rechargeable 4-24V Portable Breadboard Power Supply

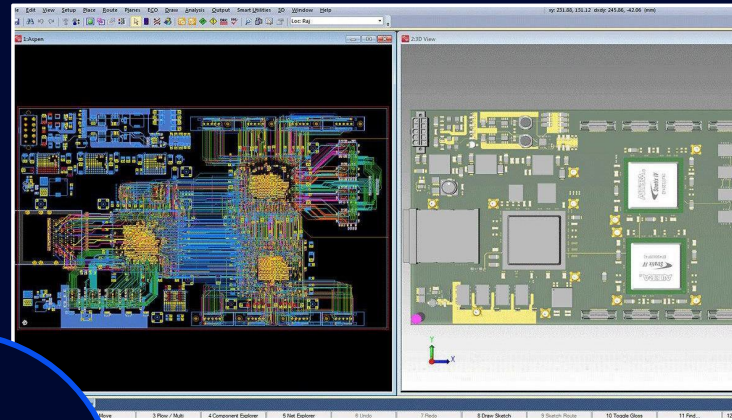


Programmable relay timer switch

Why choose Elecrow?

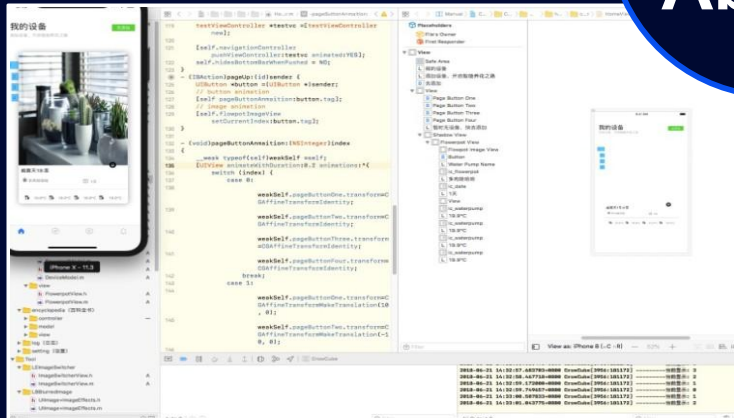


Structure Design

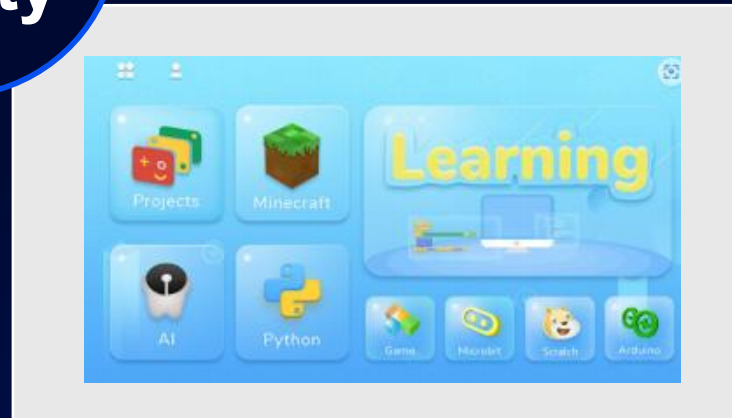


PCB Layout

R&D Ability



Programming



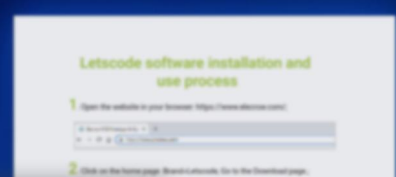
Lessons

R&D Ability

Elecrow's dedicated R&D team is constantly developing new and innovative products to better serve our customers. We are committed to providing the highest quality products and services to ensure customer satisfaction.

Full Tech-support

Step by step courses and detailed wiki page & video for tech-support



After successfully plugging back in the Micro SD card, we'll need to lay the Raspberry Pi over it's location on top of the CrowPi board.

Note: First of all, we should have to plug the cable first, then mount screw.

Afterwards, we'll need to plug it in by using "rainbow" (flat) cable. We'll first carefully plug it into the Raspberry pi making sure it covers the exact pins of the raspberry pi and very importantly doing it carefully not to damage the Raspberry Pi pins.

The second step will be plugging the "rainbow" cable into the CrowPi board. We'll take the other end of the "rainbow" cable and carefully plug it directly into the board making sure it covers all the pins and placed at the right spots.

Community	Topics	Posts	Last post
Announcements	26	3	
Really cool! Hope more news are on the ... by ADnatoWithAKeyboard 04/14/2023 10:54:24am			
Promotions	15	9	Hey, my brothers 🙌 Have the above ... by Choudi 10/13/2022 04:29:49am

Contents [hide]

- Description
- Features
- Interface Function
- Resources

Description

The Crowtail-Base Shield plugs into Arduino and is the foundation of the Crowtail system. All I/O ports of the Arduino are exposed and adapted into Crowtail connectors which include digital I/O, analog I/O and specialized ports (I2C, UART).

Model: C7000185#

Features

- Arduino UNO and Duemilanove compatible
- Compatible with all Crowtail modules
- 11 Digital connectors (D2-D12)
- 6 Analog connectors (A0-A5)
- 2 DC sockets
- NO SPI socket
- UART/D0-D1 connector
- ISP/ICSP header
- Green Power indicator LED
- Right angle reset button with red LED reset indicator
- Stacking connectors
- Simplified screen printing
- Dimensions(mm): 69.5x35.2(W)x23.5(H)

Support various extensions

Can be combined with 100+ types of Crowtail modules to complete more interesting projects.

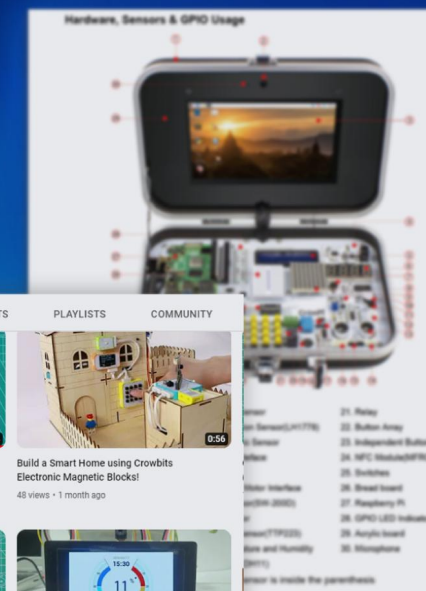
Learn more

The Bolt board also has two Crowtail module ports, allowing users to connect more sensors. We have 150+ Crowtail electronic modules which you can purchase from our website.

See the website wiki for more examples.

HOME VIDEOS SHORTS PLAYLISTS COMMUNITY

- Introducing LoRaWAN Development Board Integrated RP2040 with 1.8" LCD | Elecrow (190 views - 1 month ago)
- Build a Smart Home using Crowbits Electronic Magnetic Blocks! (48 views - 1 month ago)
- Elecrow ESP Terminal Displays Comparison - Esp32 RGB VS Esp32 SPI (937 views - 2 months ago)
- ESP32-S3 Terminal SPI 3.5" TFT Touch Display with OV2640 Camera | Elecrow (1.4K views - 2 months ago)
- Elecrow 14 inch IPS Display (172 views - 2 months ago)
- Create Characters with this Incredible Single-Board Microcontroller - Sinobit (64 views - 3 months ago)



Quality Inspection Process Standard



IQC incoming inspection



SPI inspection



First-article inspection



X-Ray Inspection



Function Testing



Visual Inspection



AOI Testing

System and Product Certification

- Manufacture procedure has gotten the ISO 9001 certification
- All the products we produced meet RoHs standards
- 3 times checking to ensure the quality of products

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certification No. : ZTZL28021Q30063R0M

Awarded to

ShenZhen Elecrow Technology Development Co., Ltd

Organization Code: 91440300305981487G

Registration Add.: West of F-building 8th floor, Fusen industry park , Gushu Hangcheng road, Bao'an Ave, Shenzhen city, China

Office Add.: West of F-building 8th floor, Fusen industry park , Gushu Hangcheng road, Bao'an Ave, Shenzhen city, China

Production Add.: West of F-building 8th floor, Fusen industry park , Gushu Hangcheng road, Bao'an Ave, Shenzhen city, China

Zip Code: 518100

The Quality Management System of the above organization has been assessed and Found to be in accordance with the requirements of the standard:


GB/T19001-2016/ISO9001:2015

Scope of this management Certification


Programming learning machine (export only), Design and production of PCBA control board

First S.A.	Stick	Second S.A.	Stick	Third S.A.	Stick
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The term of validity of the certificate, the certificate shall be at least once a year the surveillance audit, With qualified logo, for the effective certificate. The certificate information is available in the certification and Accreditation Administration of the People's Republic of China's official website : www.cnca.gov.cn




中泰智联认证



MEMBER OF MULTILATERAL
RECOGNITION ARRANGEMENT



中国认证
国际互认
合格评定
管理体系
认证标志
CNAS CXCI-M



Date of Issue: 26-01-2021
Date of Supervision: 26-01-2021
Valid until: 25-01-2024

Room 1204, 12th Floor, Ind Building, No. 8 Chaoyang Road, Chaoyang District, Beijing, China 010-85398823



One-year Warranty

For all products offered by Elecrow.

1 to 1 customer service with a
24H response time



We work with world-famous distributors



100,000+

Customers registered in
our website

200+

Distributors

150+

Countries available



Our People Define Our Brand >





Make Your Making Easier