

Company Profile

Make Your Making Easier





Reliable and innovative Hardware for Global Developers

12

Years of innovation

170+

Members

5000+^{m²}

Factory

Elecrow, founded in **2014**, has grown from **2 co-founders** to **170+ members** in the last 12 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.

Integrated company

Elecrow is a trusted and experienced company, specializing in electronics R&D, design, and manufacturing. With over 12 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 for Global Developers



Products



PCB Fab



PCB Assembly



Mechanical Prototyping

Elecrow empowers innovators worldwide by turning complex ideas into reality.

With strong expertise in Displays, IoT, and STEAM education—alongside precision low-volume, premium PCBA solutions for mid- to high-end electronics—and a globally connected electronic community, we support creators across more than 150 countries and regions.

At Elecrow, we don't just build electronics—we build possibilities.

Main Business



Products



**Manufacturing
Services**

Product Categories

Make Your Making Easier

Open
Source
Hardware

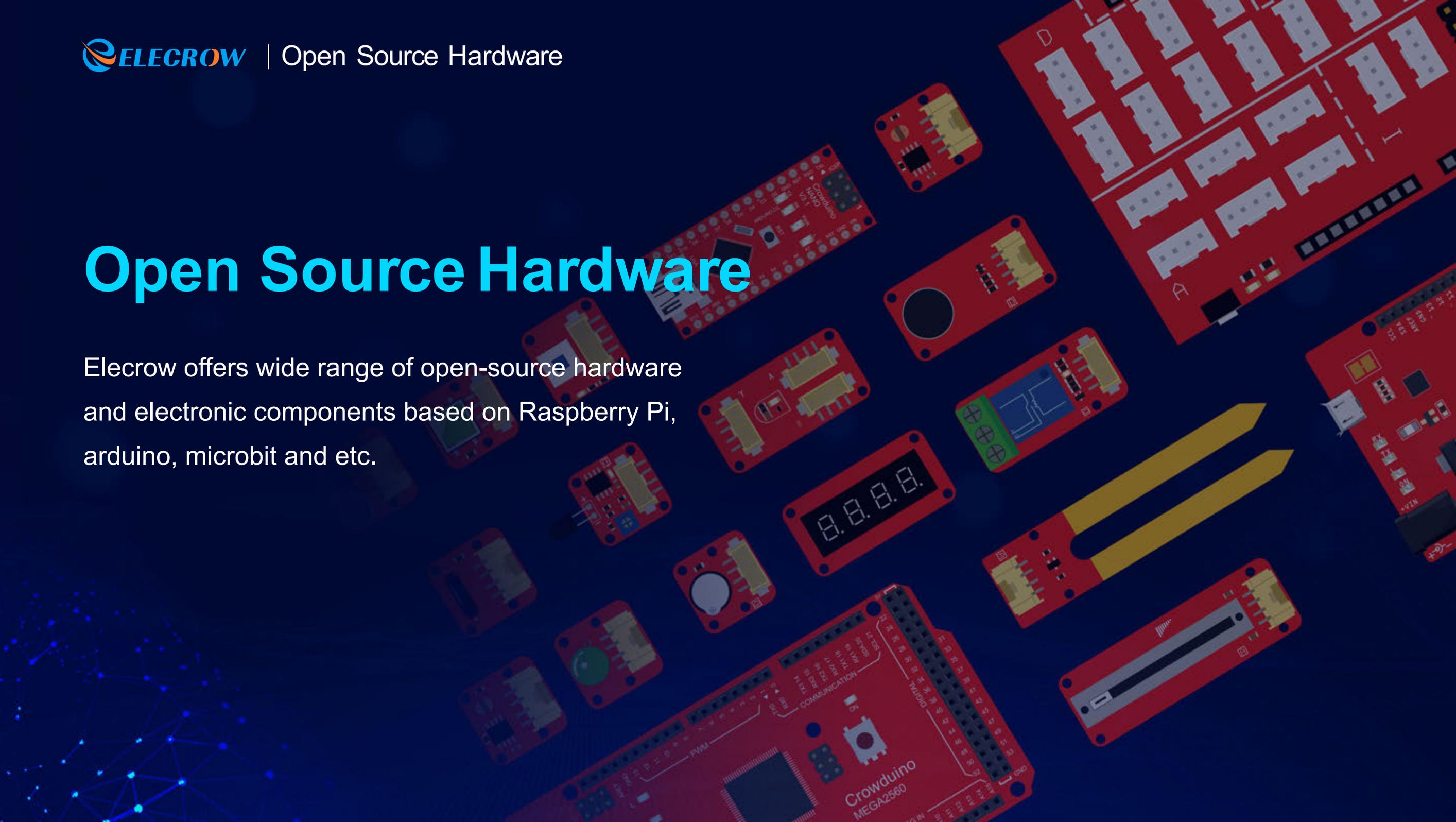
Display

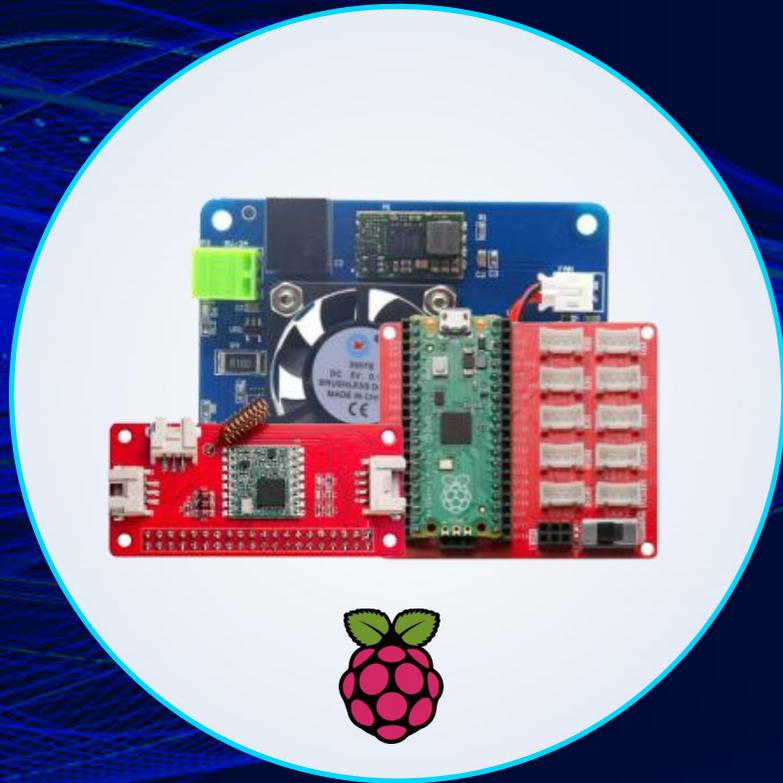
STEAM
Education

IoT

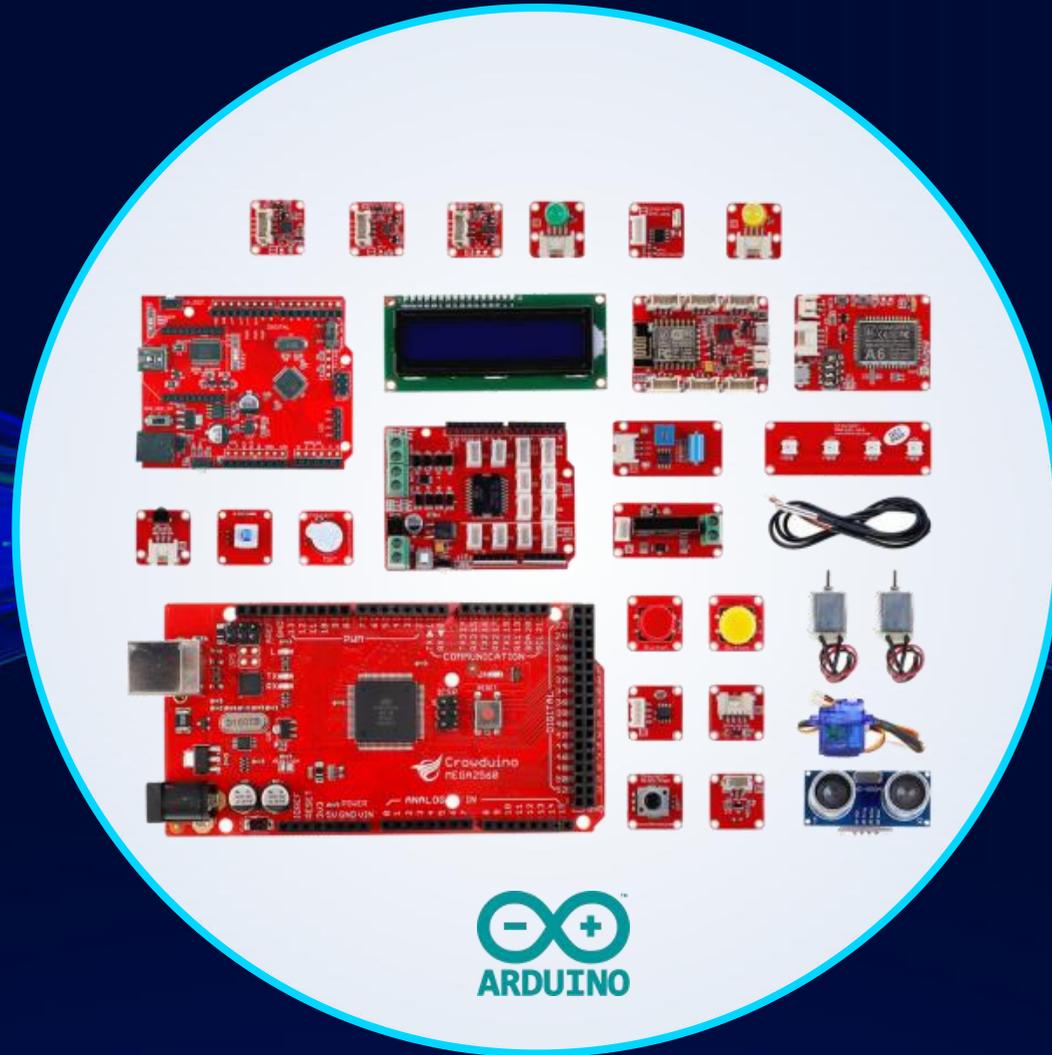
Open Source Hardware

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.





5inch HD Touch Display-D 1024*600 IPS Screen Compatible with Raspberry Pi/BB Black, etc



7inch IPS HD Touch Screen-D 1024*600 HD Monitor Compatible with Raspberry Pi/BB Black, etc



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



Portable Monitor

Display Freedom, Wherever You Are



CrowView Yoga 15.6" Dual Screen Portable Monitor



CrowView Note 14.1/15.6inch All-in-One Portable Monitor

1920x1080

1920x1080

IPS

IPS

178°

178° View Angle

sRGB

100% sRGB



Keyboard & Touchpad

180°

180° Flexibility



6000mAh Battery



Dual Speakers



CrowView Note 14/15.6inch All-in-One Portable Monitor Empowering Your Device as a Laptop

- Phone-to-Laptop
- SBCs/Mini PC/PC/Game Console Compatibility



Liked By



ETA PRIME
Tech YouTuber



Tom's HARDWARE



NOTEBOOKCHECK

TURN ANY DEVICE INTO A LAPTOP

1.22M
Subscribers

Crow View Note
14" DIY Laptop

Single Board
Computers

QR Code

12M+
Monthly Visits

QR Code

7.9M
Monthly Visits

QR Code

Transform Any Device into a Laptop
with The New CrowView Note 14

Elecrow CrowView Note Review:
Portable Pi Projects

Elecrow CrowView Note: Inexpensive
system turns smartphones, mini PCs
or Raspberry Pis into a laptop

CrowPanel ESP32 HMI Display Series

Powered by WiFi and Bluetooth, CrowPanel displays are fully compatible with LVGL and Arduino, unlocking endless possibilities for ESP32 projects.

The product lineup includes the Basic, Advanced, ESP32-P4, and E-Paper Series



Elecrow CrowPanel Display HMI (Human-Machine-Interface) Module Series

The CrowPanel ESP32 Displays, equipped with WiFi and Bluetooth, are fully compatible with LVGL & Arduino, offering endless possibilities for your ESP32 projects.



* Customization could be discussed



CrowPanel Advance HMI Display

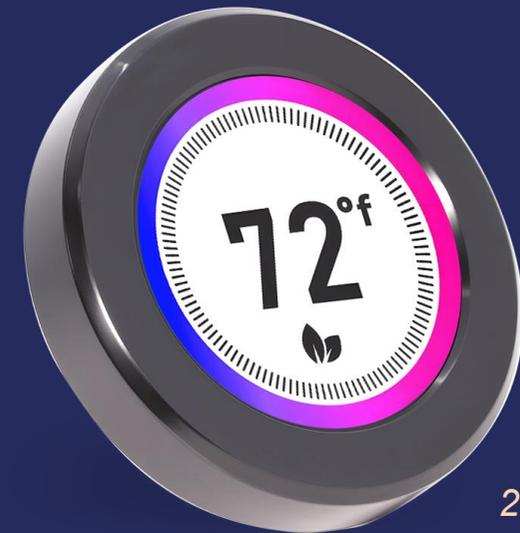
ESP32-P4 HMI Display



HMI ESP32 Rotary Display



1.28 inch



2.1 inch

1.28inch Round IPS
Display Capacitive Touch
SPI Screen



2.8inch Round
IPS Display





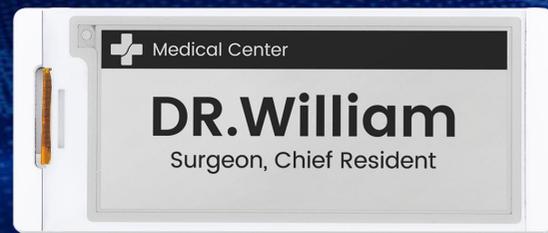
CrowPanel ESP32 5.79inch E-paper HMI Display with 272*792 Resolution Black/White Color Driven By SPI Interface



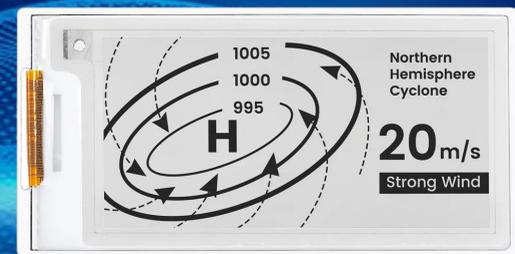
CrowPanel ESP32 4.2inch E-paper HMI Display with 400*300 Resolution, Black/White Color Driven By SPI Interface



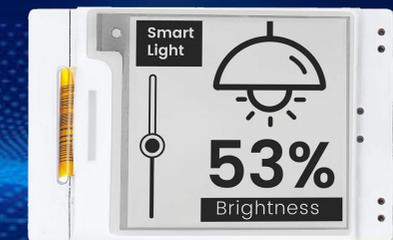
CrowPanel ESP32 3.7inch E-paper HMI Display with 240*416 Resolution, Black/White Color Driven By SPI Interface



CrowPanel ESP32 2.9inch E-paper HMI Display with 128*296 Resolution, Black/White Color Driven By SPI Interface



CrowPanel ESP32 2.13inch E-paper HMI Display with 122*250 Resolution, Black/White Color Driven By SPI Interface



CrowPanel ESP32 1.54inch E-paper HMI Display with 152*152 Resolution, Black/White Color Driven By SPI Interface

E-Paper Application



Retail Store



Supermarket



Consumer Electronics



Pharmacy



Weather Display



Smart home control

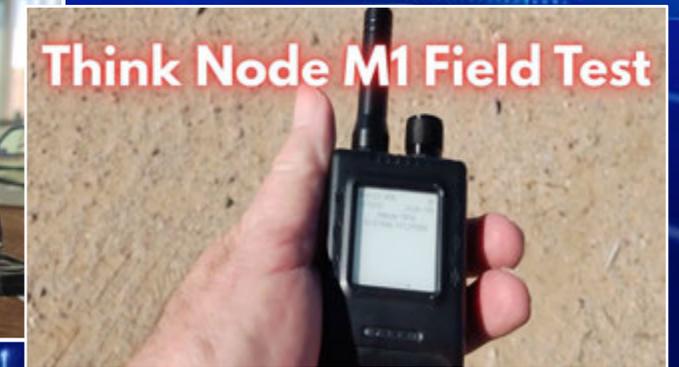
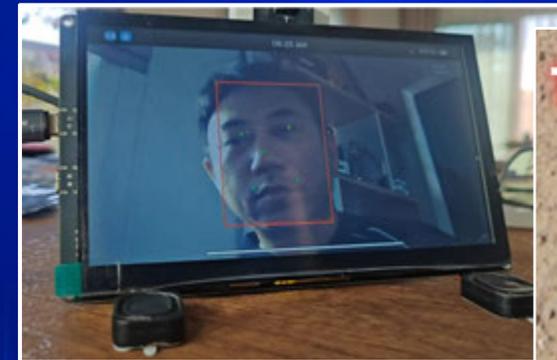
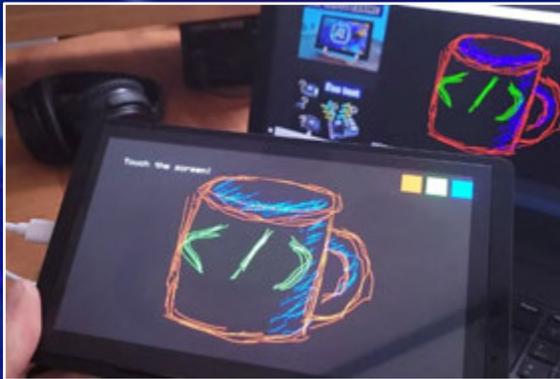


News Player



Bus timetable

Case Study Collection from KOL





STEAM Education

With years of STEM education experience and a strong focus on emerging AI trends, Elegrow integrates AI into education and offers a dedicated AI series within its STEAM kits. Designed for different learning groups, these kits enhance logical thinking, creativity, and hands-on innovation.

Pioneer of a new product category

100k+ pcs have been sold worldwide



CrowPi 2

CrowPi

CrowPi 3

CrowPi L

CrowPi

- 9-inch Touchscreen
- 29 built-in modules
- Supports Raspberry Pi 5/4B



CrowPi 2

Raspberry Pi Laptop & STEM Education Platform



CrowPi 3

AI Learning and Development Station

- Raspberry Pi 5 Compatible
- 41 Built-in Modules
- 4.3" Touchscreen
- 2.0MP Camera with Mic



Deepseek



OpenAI



Gemini



Pi 5



Raspberry Pi



Raspberry Pi Pico



micro:bit

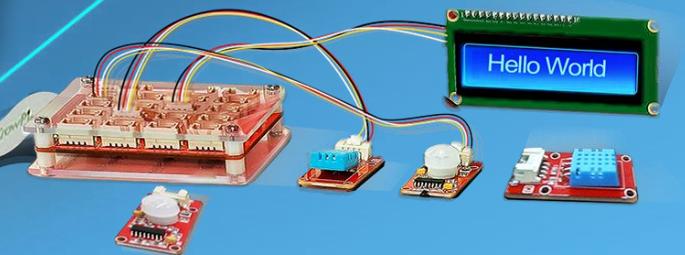
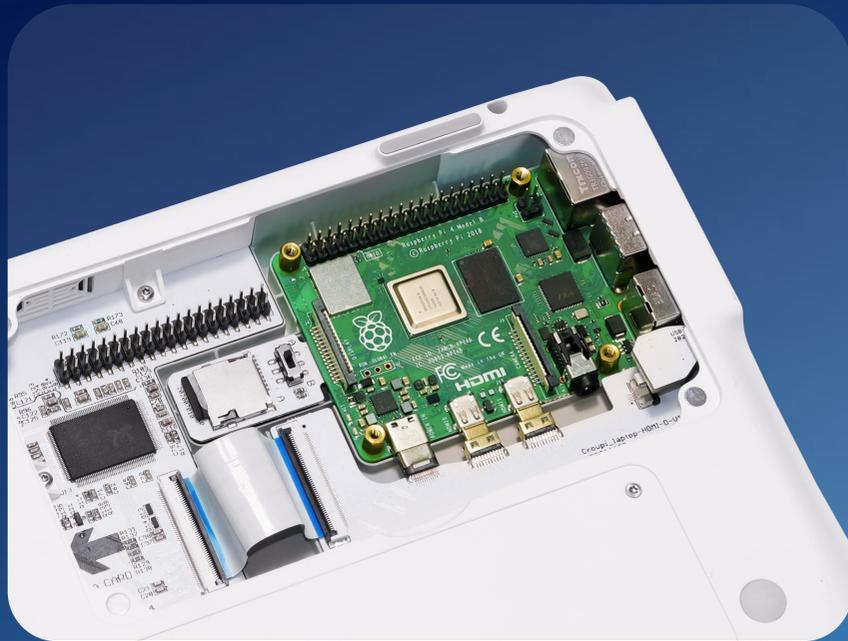


Arduino Nano



CrowPi L

Real Raspberry Pi Laptop for Learning Programming and Hardware



Liked By



Don't Buy a Raspberry Pi Until You've Seen CrowPi All-in-One Kit

CrowPi Compact Raspberry Pi Educational Kit review



All-in-one Starter Kit

The All-in-one Starter Kit includes creative courses. Modular programming allows users to easily build and realize their creative projects, stimulate their interest in learning, and improve their hands-on skills.



AI Starter Kit for Jetson Orin Nano

 Integrated learning platform

 Featuring an 11.6-inch IPS screen

 Intelligent voice interaction system

 Additional I2C, UART, and IO Interface

 8MP PTZ camera system

 30 Sensors & 38 Engaging Lessons

AI Camera





All-in-one Starter Kit for Arduino



All-in-one Starter Kit for Pico 2



All-in-one Starter Kit for Micro:bit



All-in-one Starter Kit for ESP32-P4



All-in-one Starter Kit for Arduino Nano R4



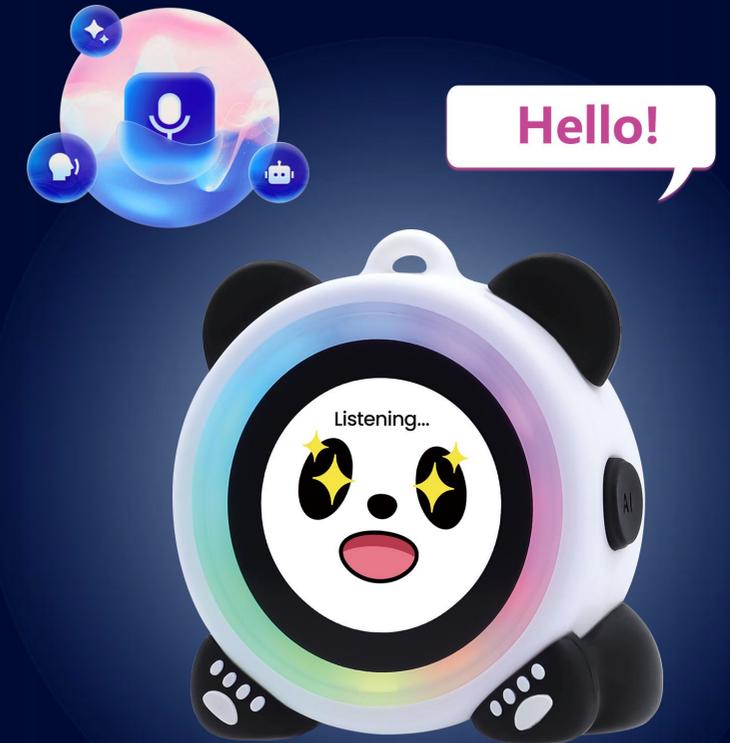
All-in-one Starter Kit for Arduino UNO R4



CrowBot BOLT Programmable
Smart Robot Car STEAM Robot Kit



AI Camera Development Board Vision
Sensor Board Powered By ESP32



AI Panda

PiTower Mini PC Case

Compatible with Raspberry Pi 5 & Jetson Orin Nano



Cooling Fan



1.3" OLED Display



Mini and Compact



Rich Interfaces



Aluminum Alloy Housing

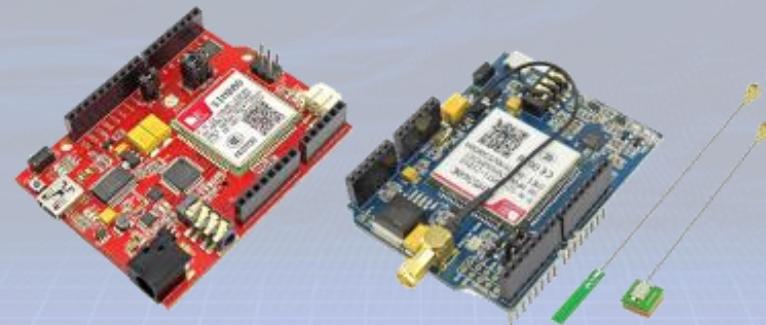




LoRaWan & LoRa



Powered
Meshtastic



Cellular Network



Wifi & Bluetooth



2.4G RF& RFID

IoT Lora & LoRaWAN Module

High Performance & Ultra-Low Power | Wireless Connectivity | Flexible Interfaces | Easy Integration





LoRaWAN Gateway Module



ThinkNode G1
Indoor 8 channels LoRawAN Gateway



ThinkNode G3
Single Channel LoRaWAN
Gateway



Thinknode M1/M5
Lora Signal Transceiver



Thinknode M2
Lora Signal Transceiver



Thinknode M3
for Tracker



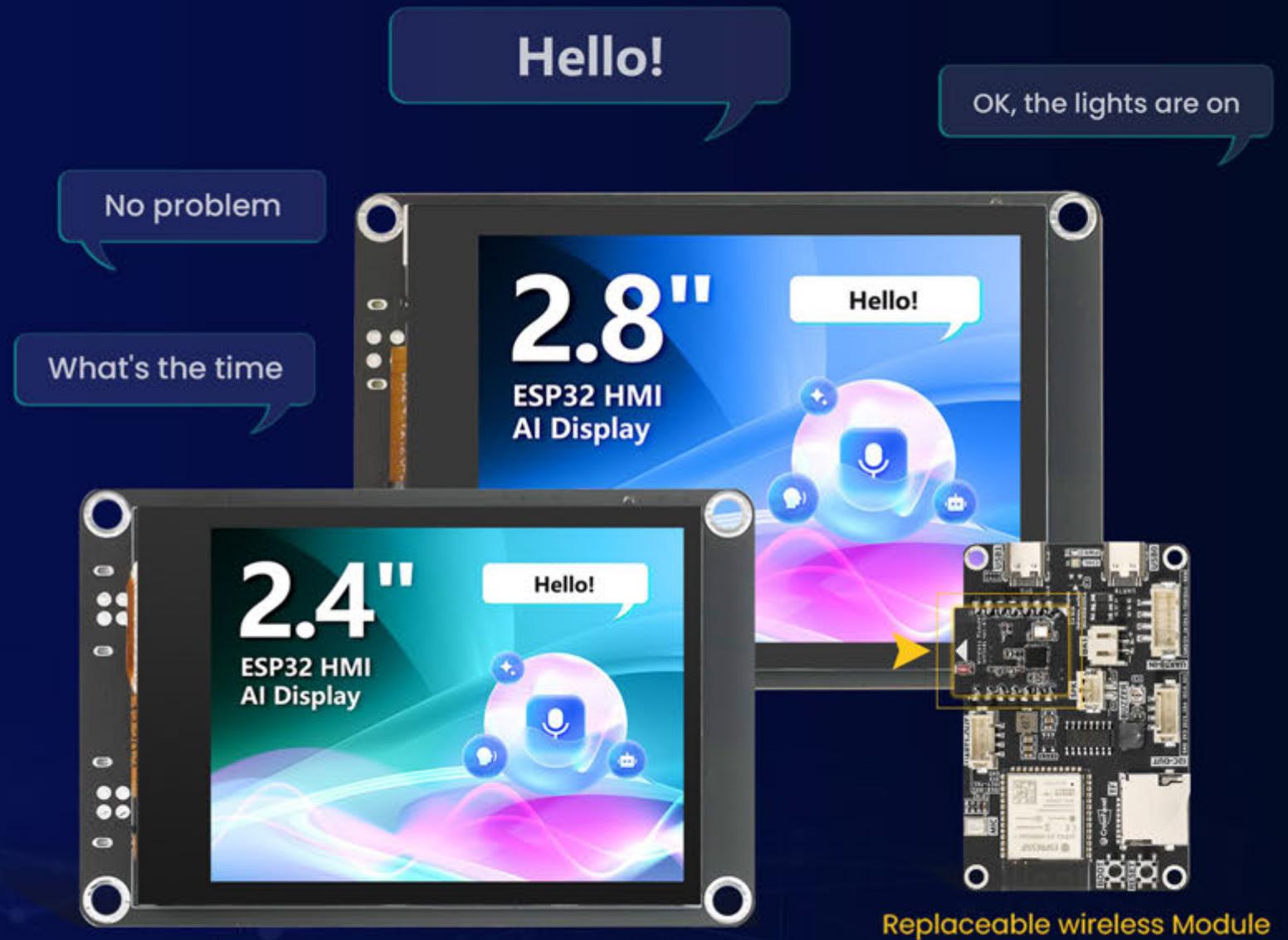
Thinknode M4
Power Bank



Thinknode M6
Solar Power for Meshtastic

CrowPanel Advance HMI AI Display for Meshtastic

- Meshtastic Ready
- Smart AI Function
- Real-Time Clock
- Multiple Development Environments



Multiple Manufacturing Services

Create value for customers and assure the best quality!

**PCB Fab
Service**

**PCB
Assmby
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.

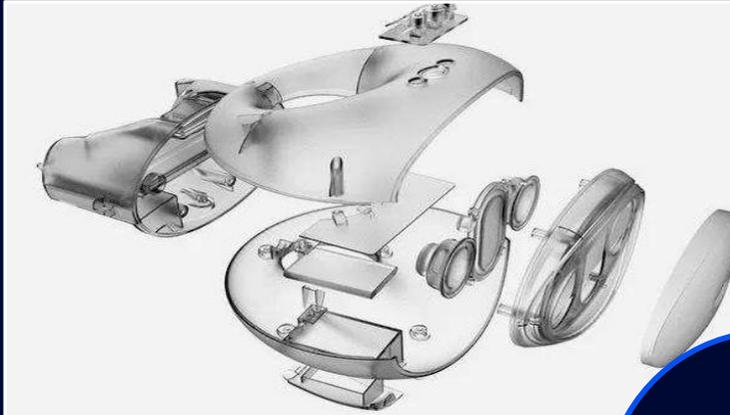
✓ **ISO 9001:2015 Certification**

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

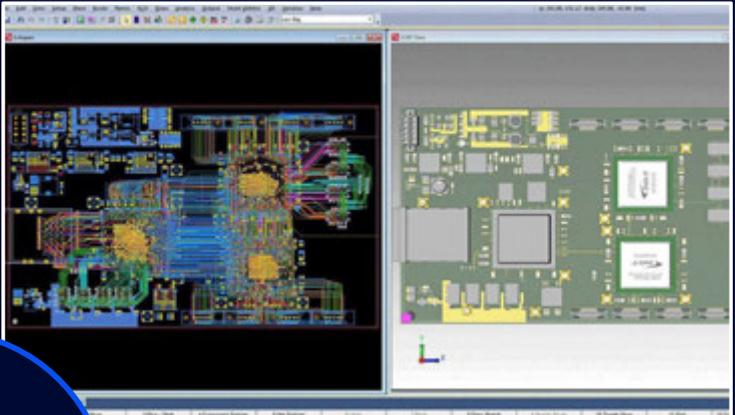
✓ **RoHS**



Why choose Elecrow?

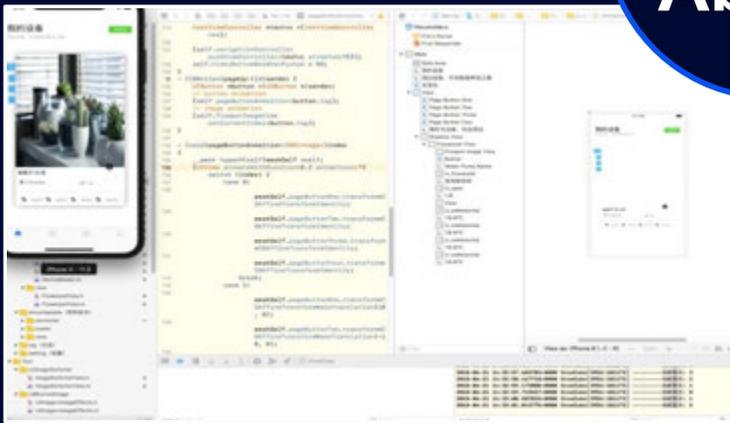


Structure Design



PCB Layout

R&D Ability



Programming



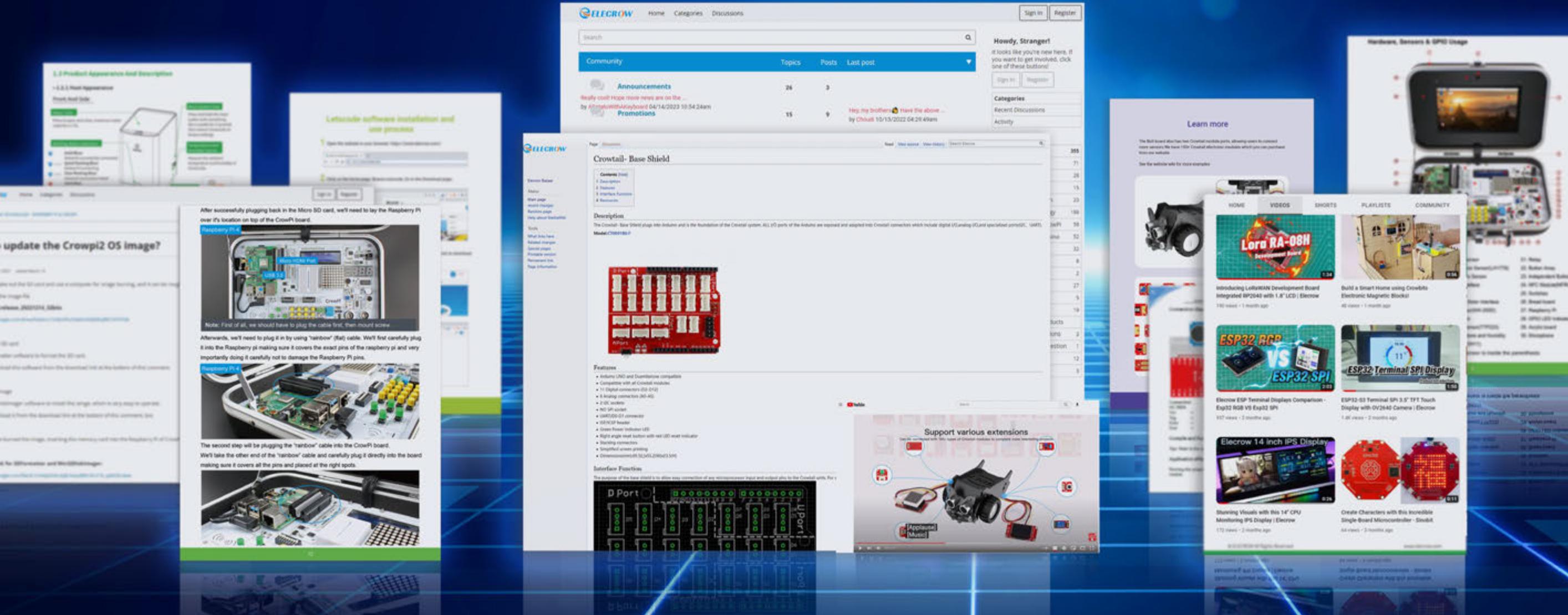
Lessons

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



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



中国认证认可协会
MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT
MANAGEMENT SYSTEM
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



KICKSTARTER



wellbots
#1 on smart products

 **Little Bird**



230,000+

Customers registered in
our website

200+

Distributors

150+

Countries and regions



Maker Faire Shenzhen

Maker Faire 2023

Nov. 11-12
Shenzhen, China
Booth No. B23

Maker Faire Shenzhen

Maker Faire 2024

Nov. 15-16
Shenzhen, China
Booth No. B18



2025 138th Canton Fair

Oct. 15-19
Guangzhou, China
Booth No. F11

EDUtech ASIA

2025 Edutech

Nov. 5-6
Singapore
Booth No. L30

bett
• A Hyve Event

2026 Bett

Jan. 21-23
London, UK
Booth No. NL73



Embedded World 2026

Mar. 10-12
Nuremberg, Germany
Booth No. 2-338e

Our People Define Our Brand >





Make Your Making Easier