FKS0001 Keyestudio ESP32 Inventor Starter Kit

Contents

Description

This learning kit is a programmable tool specialized for kids above 6, which boasts 15 modules and sensors such as LEDs, buttons, a LCD, a photosensor, a sound sensor, an IR receiver, a temperature and humidity sensor as well as 30 interesting projects.

For your convenience, Arduino C language and graphical programming are provided, which empower to cultivate programming thinking.

Features

1. Easy wiring:The wiring of VCC and GND are removed.

2. Multiple functions:Nano or ESP32 development board are available as the control board and 15 sensors are integrated. When the external power supply is connected, the DIP switch can be used to control the VCC voltage to 3.3V or 5V.

3. Simple structure:Use 6mm dual-pass copper pillars to connect the acrylic board.

4. High expansibility:VCC and GNG pins are provided.

5. Programming learning:Arduino C language and graphical programming are available.

Parameters

Working voltage: 5V or 3.3V

DC power:7-12V

USB power:5V

Working current:≥35mA

Working temperature:−10°C ~ +65°C

Kit

#	Picture	Components	QTY
1		Keyestudio Expansion Board	1
2		Keyestudio ESP32 Development Board	1
3		Battery Holder	1
4		Servo	1
5		Slotted Screwdriver	1
6		Phillips Screwdriver	1
7		IR Remote Control	1

8		USB Cable	1
9		M2.5*6MM Round Head Screw	22
10		M2.5*9MM Dual-pass Copper Pillar	10
11		20CM F-F DuPont Wires	20
12		10CM F-F DuPont Wires	20
13		Acrylic Board	1
14		Rubber Pad	4
15		Potentiometer Cap	1

16		Red Button Cap	1
17		Red Button Cap	1
18		Yellow Button Cap	1
19		Yellow Button Cap	1

Projects

Project 01：LED Blinking
Project 02：Breathing LED
Project 03：SOS Distress Device
Project 04：Traffic Light
Project 05：Rainbow Ambient Light
Project 06：Water Flow Light
Project 07：Active Buzzer
Project 08：Music Performer
Project 09：Digital Tube Display
Project 10：Dot Matrix Display
Project 11：LCD
Project 12：Servo
Project 13：Mini Lamp
Project 14：Counter
Project 15：Responder
Project 16：Timebomb
Project 17：Invasion Alarm

Resources

For more details, please refer to the following link:https://fs.keyestudio.com/FKS0001

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