

Orange Pi 800 Download

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Orange Pi 800: A Mini PC in a Keyboard

If you are looking for a compact, powerful, and easy-to-use mini PC that can run various operating systems and applications, you might want to check out the Orange Pi 800. It is a computer-in-a-keyboard that uses the Rockchip RK3399 SoC, and has 6-core ARM® 64-bit processor, 4GB LPDDR4, dual-band (2.4GHz and 5.0GHz) wireless WiFi, Bluetooth 5.0, Gigabit Ethernet, 4K HD video output, 2*USB 3.0 and 1* USB 2.0 ports. In this article, we will introduce the features and specifications of the Orange Pi 800, show you how to download and install Orange Pi OS on it, explore some of the possible use cases and projects, and compare it to the Raspberry Pi 400, another popular computer-in-a-keyboard.

What is Orange Pi 800?

Orange Pi 800 is a product of Xunlong Software, a Chinese company that produces open source hardware and software products under the Orange Pi brand. Orange Pi products are based on different processors from Allwinner, Rockchip, MediaTek, Intel, etc., and support various operating systems such as Android, Linux, Windows, etc. Orange Pi products are designed for hobbyists, makers, developers, students, and anyone who wants to learn and create with open source technology.

Orange Pi 800 is one of the latest products from Xunlong Software, released in June 2021. It is a mini PC that is integrated into a keyboard, similar to the Raspberry Pi 400 that was released in November 2020. The Orange Pi 800 offers a range of different ports. You can insert TF card, display screens and other devices. 26 Pin interface is reserved on the keyboard, which is convenient for users to complete some basic experimental projects. It also comes with a beginner's guide that helps you get started with the device.

Features and specifications

The Orange Pi 800 has the following features and specifications :

- CPU: Rockchip RK3399 (28nm HKMG process) 6-core ARM® 64-bit processor Based on the large and small size core architecture of big.LITTLE: Dual-core Cortex-A72 up to 1.8GHz (large core) + Quad-core Cortex-A53 up to 1.4GHz (small core)
- GPU: ARM Mali-T860MP4

- RAM: 4GB (LPDDR4)
- EMMC: 64GB or 128GB
- Ethernet: Gigabit Ethernet
- WiFi: Dual-band (2.4GHz and 5.0GHz) IEEE 802.11a/b/g/n/ac wireless WiFi
- Bluetooth: Bluetooth5.0,BLE
- Video Output: 1*HDMI2.0,Supports 4K@60fps output□VGA*1
- Audio Output:3.5mm Jack,HDMI2.0□Speakers Input:MIC
- Keyboard:78-key QWERTY Keyboard
- USB port: USB2.0*1;USB3.0*2
- Power Supply: Type-C
- GPIO:26Pin
- Dimensions:286mmX122mmX22mm
- Weight:385g