

Banana Pi BPI-P2 Pro 64bits DDR3 Linux IoT Development Board



Listing details

Reference Number: RF726813

Common

Price: \$ 44.99
Country: United States
Description:

Banana Pi BPI-P2 Pro 64bits DDR3 Linux IoT Development Board, Rockchip RK3308B-S Quad-core Cortex-A35 Ultimate Starter Kit, with WiFi, BT and 40+12 PIN GPIO for Smart IoT/Maker DIY (with POE Module)

The world of IoT (Internet of Things) is constantly evolving, and having the right tools at your disposal is essential to stay ahead in this tech-savvy era. The **Banana Pi BPI-P2 Pro** is a 64-bit DDR3 Linux IoT Development Board designed to cater to the needs of makers, developers, and DIY enthusiasts. Let's dive into the features and capabilities of this impressive board.

High-Performance SoC

At the heart of the BPI-P2 Pro lies the Rockchip RK3308B-S chip, boasting a Quad-core ARM Cortex-A35 CPU. This powerful processor is complemented by 64-bit 512MB DDR3 SDRAM and 8GB eMMC, ensuring smooth and efficient performance for your IoT projects. It also features onboard WiFi (AP6256) and Bluetooth, enhancing connectivity options.

Rich Interface

This development board offers a diverse range of interfaces to accommodate various applications. With 40 Pin+12 Pin GPIO support, you can utilize I2S, PCM, TDM, PDM, I2C, UART, SPDIF, HDMI ARC, and more. Additionally, it provides 1x 100M LAN port, 1x USB 2.0, 1x Type-C, 1x TF card Slot, and 1x

audio CODEC (ADC×8 and DAC×2).

Versatile Applications

The BPI-P2 Pro is incredibly versatile, making it suitable for a wide array of projects. Whether you're working on intelligent speech recognition, man-machine interface, industrial control, or building intelligent robots, this board has got you covered.

Linux-Based Development

For developers, this board offers compatibility with popular operating systems like Buildroot, Debian, Armbian, and u-boot OS. The availability of the linux-5.10.110 kernel BSP Source code on GitHub ensures flexibility in your development process.

In the Box

The package includes the BPI-P2 Pro Single Board Computer, a PoE Power Supply Module, 20W PD Power Supply SET, Debugger, and Dupont Line, providing you with the essential tools to get started on your IoT journey.

The Banana Pi BPI-P2 Pro is a feature-packed IoT development board that opens up a world of possibilities for creative minds. Whether you're a professional developer or an enthusiastic DIYer, this board will empower you to bring your IoT visions to life. Explore the endless potential of IoT with the BPI-P2 Pro!

Purchase Product

1. [Amazon.com](https://www.amazon.com)
2. [aliexpress.com](https://www.aliexpress.com)

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