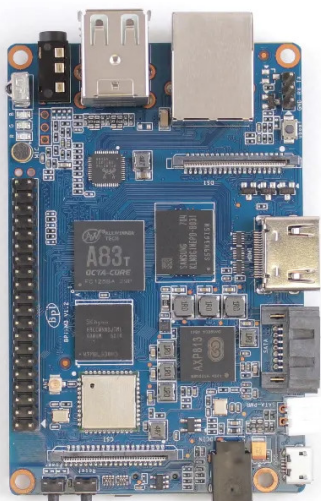


Item no.: BPI-M3

BPI-M3 - Banana Pi - Octa-Core Single Board Computer, Wi-Fi/BT

from **53,56 EUR**

Item no.: BPI-M3
shipping weight: 0.10 kg
Manufacturer: BPI



Product Description

Banana Pi BPI-M3 - Octa-Core Single Board Computer, Wi-Fi + Bluetooth Support
Banana Pi BPI-M3 is an open source hardware platform and an octa-core version of Banana Pi that supports Wi-Fi + Bluetooth on board. It runs Android, Debian Linux, Ubuntu Linux, Raspbian and other OS. The Banana Pi BPI-M3s hardware include: 1.8 GHz ARM Cortex-A7 octa-core processor, 2 GB LPDDR3 SDRAM, 8 G eMMC flash on board. With its Gigabit Ethernet port, it can run Android 5.1 smoothly. The size of the Banana Pi BPI-M3 is the same as Banana Pi M1. It can play games at 1080P; the GPIO header is pin-compatible with Raspberry Pi and can run the ROM image. The Banana Pi BPI-M3 is Sinovoip's latest single board computer equipped with an octa-core processor using the A83T TSMC 28nm chip operating at frequencies up to 2.0 GHz. The board's hardware specs include 2 G LPDDR3 memory with an operating frequency of up to 800 MHz, capable of smooth playback at 1920x1080 HD resolution. Following the A31/A31s design, the A83T has a PowerVR SG544 GPU that runs at frequencies of up to around 700 MHz with high image processing performance ensuring the ultimate gaming experience and fluency. In multimedia processing, the A83T can play 1080P (at) 60fps including 1080P (at) 20fps videos with H.265 codec which is more than sufficient to meet the needs of end-users daily audio-visual entertainment. The ISP image signal processor can support 8MP camera interfaces and also integrates a full-color display that enhances the display quality which brings a more vivid visual experience not only for the end-users while optimizing pastel colors and even minimizing eyesight damages. The integrated full hardware security system is another major feature of the A83T. It supports DRM solutions that include high-grade Widevine Level 1. HDCP for Miracast supports secure boot/storage capabilities to secure the security system and data. Cortex-A7 architecture, performance and power consumption are very balanced in the PowerVR 5 GPU series due to software optimization. Key Features

- Octa-core 1.8 GHz powerful CPU
- 2 GB LPDDR3 memory
- 8 GB eMMC storage
- Wi-Fi & Bluetooth onboard
- CPU: A83T ARM Cortex-A7 octa-core, 512 KB L1 cache, 1 MB L2 cache
- GPU: PowerVR SGX544MP1, complies with OpenGL ES 2.0, OpenCL 1.x, DX 9_3
- Memory: 2 GB LPDDR3 (shared with GPU)
- Storage Support: MicroSD Card (up to 64 GB)/SATA (up to 2 TB USB-to-SATA; GL830)/eMMC (8 GB onboard)
- Onboard Network: 10/100/1000Mbps Ethernet (Realtek RTL8211E/D)
- Wi-Fi: 802.11 b/g/n (AP6212)
- Bluetooth: BT4.0 (AP6212)
- Video In: Parallel 8-bit camera interface MIPI Camera serial Interface (CSI)
- Video Out: HDMI 1.4 DDCP 1.2 with resolutions from 640x640 to 1920x1080; MIPI DSI for RAW LCD panels
- Audio Out: 3.5 mm Jack and HDMI
- Audio In: On board microphone
- Power Source: 5 V DC port (center positive 1.6 x 4,4 mm)
- USB Ports: 1x USB 2.0, USB OTG (Micro USB)
- Buttons: Reset button, Power button, U-boot button
- GPIO: 40 Pins: GPIO, UART, I2C bus, I2S bus, SPI bus, PWN, +3.3v, +5v, ground
- LED: Power LED (red), RJ45 LED (blue), user define LED (green)
- OS: Android and Linux etc.
- Dimensions: 92 x 60 mm
- Weight: 45 g

Specifications

**Scan this QR code to
view the product**
All details, up-to-date
prices and availability



