

Item no.: BPI-M2M-(R16)

BPI-M2M (R16) (WITH 8GB EMMC) - Banana Pi BPI-M2M (R16) - R16 Quad-Core Single Board Computer, with 8 GB eMMC

from **32,36 EUR**

Item no.: BPI-M2M-(R16)
shipping weight: 0.30 kg
Manufacturer: BPI



Product Description

Banana Pi BPI-M2M (R16) - R16 Quad-Core Single Board Computer, with 8 GB eMMC Banana Pi BPI-M2 Magic (BPI-M2M) is an efficient quad-core solution designed for Internet of Things applications. It uses an allwinner R16 chip design, which outperforms competitors in terms of its system performance, scalability and energy-efficiency. It can be used for home entertainment, home automation and high wireless performance and so on.

BPI-M2 Magic integrates four ARM Cortex-A7 CPU cores and Mali400MP2 graphics architecture, it also includes a variety of peripherals, BPI-M2 Magic with 512M DDR3 including 4 lane-MIPI DSI, LVDS, USB2.0 OTG/HOST, 802.11 b/g/n Wi-Fi & Bluetooth 4.0.

BPI-M2 Magic can run smoothly with Android as well as Debian, Ubuntu Linux, Raspberry Pi image and other OS. It can easily run games as it supports 1080P high-definition video output. The GPIO is compatible with Raspberry Pi and can run Raspberry Pi images directly.

Note: Banana Pi BPI-M2 Magic does not have a HDMI interface nor does it support an RJ45 interface.

- Soc: Allwinner R16, quad-core ARM Cortex-A7, also supports A33 design
- GPU: Mali 400 MP2
- SDRAM: 512 MB DDR3 (shared with GPU)
- Power: 5 V (at) 2 A via DC power
- Low-level peripherals: 40-pin header, 28x GPIO, some of which can be used for specific functions including UART, I2C, SPI, PWM
- Wi-Fi: Wi-Fi 802.11 b/g/n 2.4 GHz (AP6212)
- Bluetooth: BT 4.0 BLE
- Onboard storage: MicroSD (TF) card, eMMC 8G onboard (option: 16/32/64 G)
- Display: MIPI Display Serial Interface (DSI) interface (4 data lanes)
- Camera: A CSI input connector. Camera: Supports 8-bit YUV422 CMOS sensor interface, supports CCIR656 protocol for NTSC and PAL, supports 5M pixel camera sensor, supports video capture solution up to 1080 p (at) 30 fps
- Video decoder: multi-format FHD video decoding, including Mpeg1/2, Mpeg4, H.263, H.264, etc H.264 high-profile 1080 p (at) 60 fps
- Video encoder: H.264 encoder: high profile 1080 p (at) 60 fps
- Audio input: onboard microphone
- USB: 1x USB 2.0 host, 1x USB 2.0 OTG
- Buttons: reset button, power button
- LEDs: red, green, blue
- Battery: 3.7 V lithium battery power support
- Size: 51 mm x 51 mm
- Weight: 40 g

Specifications

Scan this QR code to
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prices and availability

