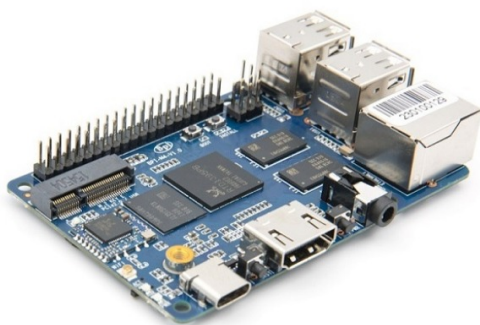


Item no.: BPI-M4

Banana Pi BPI-M4 - Quad-core single board computer

from **41,26 EUR**

Item no.: BPI-M4
shipping weight: 0.01 kg
Manufacturer: Sinovoip



Product Description

Banana Pi BPI-M4 - Quad-core single board computer

The Banana Pi BPI-M4 uses a Realtek RTD1395 chip design. It is a 64-bit quad-core A53 mini single board computer and features 1 GB of RAM and 8 GB eMMC. It also has onboard Wi-Fi for b/g/n/ac and BT 4.2. On the ports side, the BPI-M4 has 4x USB 2.0 ports, 1x USB type C port, 1x HDMI port, and 1x audio jack. It supports an M.2 key E PCIe 2.0 interface.

The RTD1395 is equipped with a high-performance quad-core CPU, ARM cortex-A53, with 512K L2 cache embedded. The RTD1395 also integrates an efficient ARM Mali-470 Graphic Processing Unit (GPU) to accelerate 2D and 3D graphics processing. For acceleration of this OSD and 2K user interface, the built-in Streaming Engine of the RTD1395 provides commonly used drawing functions. The CPU is dedicated to applications, while most of the functions of the RTD1395 are dedicated to decoding video streams in various formats, e.g. decoding 4K2K H.265, Full HD MPEG1/2/4/H.264/H.264 MVC, AVC/VC-1, VP8, VP9, AVS, AVS plus, HD JPEG, etc. Video DSP can also handle encoding of up to Full HD with H.264 format. Video decoding and encoding can run simultaneously. [Key Features](#)

- Realtek RTD1395 ARM Cortex-A53 Quad-Core 64 bit
- Mali 470 MP4 GPU OpenGL ES 1.1/2.0 H.264 H.265, 2K4K
- Onboard 1 GB DDR4 (option 2 GB)
- 8G eMMC flash (max. 64 GB)
- 10/100 Mbit/s Ethernet and RTL8821 module support Wi-Fi 802.11 b/g/n/AC + Bluetooth 4.2
- USB 2.0 type C
- M.2 key E slot PCIe 2.0 and USB 2.0
- PoE function support

Specifications

CPU: Realtek RTD1395 ARM Cortex-A53 Quad-Core 64 bit

GPU: Mali 470 MP4 GPU OpenGL ES 1.1/2.0

Memory: 1 GB DDR4 (option 2 GB)

Storage: MicroSD slot with support for up to 256 GB expansion and 8G eMMC flash with support for up to 64 GB

Network: 10/100 Mbit/s Ethernet + Wi-Fi 802.11 b/g/n/AC + Bluetooth 4.2

Video output(s): HDMI port and multi-channel audio output support 1080P H.264 H.265 2K/4K

Audio output(s): 3.5 mm jack and HDMI

PCIe: M.2 key E slot PCIe 2.0 and USB 2.0

USB ports: 4x USB 2.0 ports, 1x USB 2.0 type C

GPIO: 40 pin header: 28x GPIO and power (+5 V, +3.3 V and GND), GPIO pins can be used for UART, I2C, SPI or PWM

Switches: Reset, power and U-boot

LED: Power status and activity status

Power source: 5 Volt (at) 2 A via Micro USB (type C) or PoE support

Size & weight: 92 x 60 mm, 48 g

OS: Android and Linux

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



