

Item no.: 384142

BPI-M7 (32GB RAM+128GB EMMC) - Banana Pi -M7 (32GB RAM128GB EMMC version)

from **333,43 EUR**

Item no.: 384142
shipping weight: 0.20 kg
Manufacturer: BPI



Product Description

Banana Pi BPI-M7 with Rockchip RK3588, 8/16/32G, RAM 64/128G eMMC, wifi6 support . 2x2.5G port ,1xHDMIout ,2x USB3.0,2xTYPE-C,2x MIPI CSI interface and 1x MIPI DSI interface, 1x M.2 KEY M interface,40 PIN GPIO .Mini size just 92x62mm.The Banana Pi BPI-M7 is powered by Rockchip's latest flagship RK3588,octa-core 64-bit processor, with a max frequency of 2.4GHz, a 6 TOPS NPU, and up to 32GB of RAM.Banana Pi BPI-M7 RK3588 SBC Features:- 8K video encoding/decoding support- Abundant interfaces support- Dual 2.5G Ethernet support- WiFi 6 support- BT 5 support- Multiple video outputs support- Multiple operating systems supportGenerally, BPI-M7 is applied for various applications,such as, ARM PCs, edge computing, cloud servers, AI, cloud computing, virtual/augmented reality, blockchain, smart NVRs and more.SOC- RockChip RK3588CPU- RK3588 Quad-Core Cortex-A76@ 2.4GHz+Quad-CoreCortex-A55@ 1.8GHz?8nm processGPU- GPU Mali-G610 MP4 (4x256KB L2 Cache) Supports OpenGL ES3.2/OpenCL2.2/Vulkan1.1NPU- 6 TOPS@INT8(3 NPU core)- Supports INT4/INT8/INT16 mixed computing- Supports frameworks like TensorFlow, MXNet, PyTorch, Caffe, Tflite, Onnx NN, Android NN, etcVPU/Codec- Hardware Decode: 8K@60fps H.265/VP9/AVS2? 8K@30fps H.264 AVC/MVC? 4K@60fps AV1?1080P@60fps MPEG-2/-1/VC-1/VP8- Hardware Encode:8K@30fps H.265 / H.264ISP- Integrated 48MP ISP with HDR&3DNRRAM- 8GB/16GB/32GB?max 32GB ?64bit LPDDR4/LPDDR4x?default 8GB LPDDR4xFlash- 32GB/64GB/128GB eMMC?default 64GB eMMC,Supports MicroSD card expansionPCIe- 1x M.2 Key M (PCIe 3.0 4-lanes). Expandable SSD support for 2280/2260/2242/2230 M.2 SSD cards, default 2280Networking- 2x 2.5G Ethernet- Onboard IEEE 802.11a/b/g/n/ac/ax WIFI6 and BT5 (AP6275P)Video Out- 1x HDMI 2.1, supports 8K@60fps- 1x MIPI DSI up to 4K@60fps- 1x DP 1.4 up to 8K@30fpsVideo In- 2x 2-lane MIPI CSI, up to 2.5Gbps per laneAudio- 1x HDMI audio out- 1x HP audio out- 1x Type-C 3.1 (DP1.4) audio outUSB- 1x USB 3.0 (USB 3.1 Gen 1), equivalent to USB 3.2 Gen 1/USB 3.0, up to 5Gbps- 1x USB Type-C 3.1?DP1.4/OTG?- 1x USB 2.0 High?480Mbps?/Full?12Mbps?/Low-Speed?1.5Mbps? modes40-pin- Fully compatible with Raspberry Pi 40-pin header for connecting abundant add-on modules- Supports UART/SPI/I2C/I2S/PWM/ADC/5V Power/3.3V PowerOther- 1x 5V fan interface- 1x battery connector for low power RTC chip HYM8563TS- 2x LEDs - blue LED blinks on system start, red LED user controllablePower Input- USB Type-C PD 2.0, 9V/2A, 12V/2A, 15V/2AButtons- 1x PWRON button for sleep/wake,1x Reset button for reboot,1x Maskrom button for maskrom burn-in modeOS Support- Official: ?Android 12.0?Debian11?Buildroot- 3rd Party?Armbian?Ubuntu 20.04?Ubuntu22.04?Kylin OSDimensions- 92 mm x 62mmOperating temperature- 0? ~ 80?

Specifications

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All details, up-to-date
prices and availability

