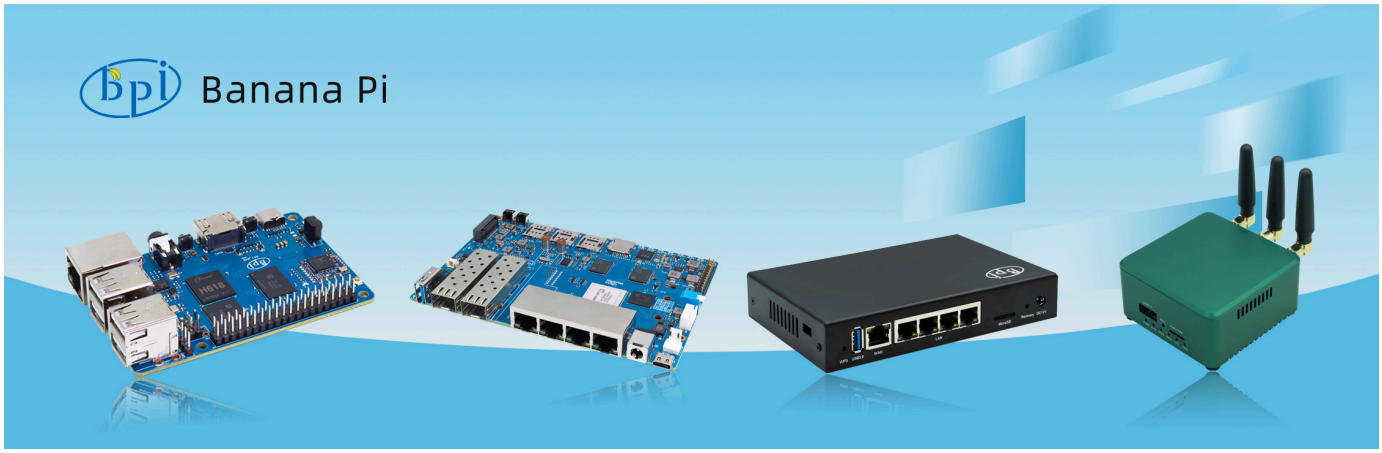
Banana Pi Main Page

Banana Pi Open Source Hardware Developer Center



Banana Pi is an open source hardware project lead by GuangDong BiPai technology co., LTD . It focuses on the open source hardware development board of ARM and MCU series, provides open software and hardware platform, and creates the basic technology development platform. Full series open source hardware products, complete integration of voice, data, video system platform. Developers can flexibly build various application platforms on the open source hardware foundation platform. It can be applied in the Internet of things, AI artificial intelligence, industrial Internet control, STEAM education and other aspects.Create banana Pi open source community ecology and Internet of things overall technical solutions .

Welcome free discuss on Banana Pi Forum , Because of the Google security update some of the old links will not work if the images you want to use cannot be downloaded from the new link Documents and Image

Banana Pi Products

Single Board Computer

Banana Pi Single Board Computer(SBC)	
Banana Pi BPI-M1 [Allwinner A20]	Banana Pi BPI-F2 [Freescale IMX6 industrial-grade]
Banana Pi BPI-M1_Plus [Allwinner A20]	Banana Pi BPI-F2S [SunPlus SP7021 industrial-grade]
Banana Pi BPI-M2_Zero [Allwinner H3]	Banana Pi BPI-F2P [SunPlus SP7021 industrial control gateway board]

Banana Pi Single Board Computer(SBC)	
Banana Pi BPI-P2 Zero [Allwinner H3]	Banana Pi BPI-F3 [SpacemiT K1 RISC-V]
Banana Pi BPI-M2 Plus [Allwinner H3]	Banana Pi BPI-M5 [Amlogic S905X3]
Banana Pi BPI-M2_Zero [Allwinner H3]	Banana Pi BPI-M2 Pro [Amlogic S905X3]
Banana Pi BPI-M2 Berry [Allwinner R40/V40/A40i]	Banana Pi BPI-M2S [Amlogic A311D&S922X]
Banana Pi BPI-M2 Ultra [Allwinner R40/V40/A40i]	Banana Pi BPI-M6 [Synaptics VS680/SL1680]
Banana Pi BPI-M64 [Allwinner A64]	Banana Pi BPI-P2 Pro [Rockchip RK3308]
Banana Pi BPI-M3 [Allwinner A83T]	Banana Pi BPI-M4 [Realtek RTD1395]
Banana Pi BPI-M4 Zero [Allwinner H618]	Banana Pi BPI-M5 Pro [Rockchip RK3576]
Banana Pi BPI-M4 Berry [Allwinner H618]	Banana Pi BPI-M7 [Rockchip RK3588]
Banana Pi BPI-M1 Super [Rockchip RK3528]	Banana Pi BPI-CanMV-K230D Zero[Canaan K230D]
Banana Pi BPI-M4 Super [Rockchip RK3568]	Banana Pi BPI-F4 [Sunplus SP7350]
Banana Pi BPI-M2 Magic [Allwinner A33/R16]	Banana Pi BPI-F5[Allwinner T527]
Banana Pi BPI-Forge1 [Rockchip RK3506J]	

Smart Router board

Banana Pi Smart Router	
Banana Pi BPI-R1 [Allwinner A20]	Banana Pi BPI-R2 Pro [Rockchip RK3568]

Banana Pi Smart Router	
Banana Pi BPI-R2 [MTK MT7623N]	Banana Pi BPI-R3 [MTK MT7986(Filogic 830)]
Banana Pi BPI-R64 [MTK MT7622]	Banana Pi BPI-R3 Mini [MTK MT7986(Filogic 830)]
Banana Pi BPI-W2 [Realtek 1296]	Banana Pi BPI-R4 [MTK MT7988A(Filogic 880)]
Banana Pi BPI-W3 [Rockchip RK3588]	Banana Pi BPI-WiFi6 Router [Triductor TR6560 + TR5220 wifi SOC]
OpenWrt One [MTK MT7981B]	Banana Pi BPI-WiFi6 Mini [Triductor TR6560 + TR5220 wifi SOC]
Banana Pi BPI-RV2 Gateway [Siflower SF21H8898 RISC-V]	Banana Pi BPI-WiFi5 Router [Siflower SF19A2890S + AN8855R]
Banana Pi BPI-R4 Pro [MTK MT7988A(Filogic 880)]	Banana Pi BPI-R4 Lite [MTK MT7987]
Banana Pi BPI-RT2(AX3000) [Realtek RTL8198]	Banana Pi BPI-R4 Mini [MTK MT7987,Wifi7 Onboard]
Banana Pi BPI-R2 Mini [MTK MT7981B]	

Compute Module and Development Kit

Banana Pi Compute Module and Development Kit	
Banana Pi BPI-CM2 [Rockchip RK3568]	Banana Pi BPI-RK3588 Core Board and Development Kit [Rockchip RK3588]
Banana Pi BPI-CM4 [Amlogic A311D]	Banana Pi BPI-LM7 Core Board [Rockchip RK3588]
Banana Pi BPI-CM5 [Amlogic A311D2]	Banana Pi BPI-S64 Core [Actions S700]

Banana Pi Compute Module and Development Kit	
Banana Pi BPI-CM5 Pro [Rockchip RK3576]	Banana Pi BPI-AIM7 [Rockchip RK3588]
Banana Pi BPI-Secure-Pi[MegaHunt SP2302]	Banana Pi BPI-SM9[SOPHGO BM1688]
Banana Pi BPI-AI2N [Renesas RZ/V2N AI]	Banana Pi BPI-CM6 [SpacemiT K1 RISC-V]
Banana Pi BPI-AI2H [Renesas RZ/V2H AI]	Banana Pi BPI-SM10 [SpacemiT K3-CoM260 RISC-V]

Compute Module Base Board



Banana Pi BPI-CM4IO

Banana Pi BPI-AI2N-Carrier

AI design

Webduino & Arduino & MicroPython Products

Banana Pi Webduino & Arduino & MicroPython Products	
Banana Pi BPI-Centi-S3 [ESP32-S3]	Banana Pi BPI-PicoW-S3 [ESP32-S3]
Banana Pi BPI-Leaf-S3 [ESP32-S3]	Banana Pi BPI-Pico-RP2040 [RP2040]
Banana Pi BPI-AI[Kendryte K210]	Banana Pi BPI-Bit[ESP32 STEAM education]
Banana Pi BPI-Bit-S2[ESP32-S2 STEAM education]	

Webduino & Arduino & Micro:bit boards Accessories

Webduino & Arduino & Micro:bit boards Accessories	
BPI-bit acrylic shell compatible LEGO bricks	BPI gpio expansion board[BPI:bit/micro:bit]

Industrial control gateway design

Industrial control gateway design	
Banana Pi BPI-6202/6204 Embedded industrial computer [Allwinner A40i-H]	Banana Pi BPI-KVM for KVM over IP design [Rockchip RK3568]
BPI-MNF 5G + 4G LTE + Wifi AC+Gigabit Multiplex aggregate router [MediaTek MT7622E]	Banana Pi BPI-FSM1819D Servo motor controller [Fortior]
Banana Pi BPI-OM7 3D Camera [RK3588 + Gemini2]	Banana Pi BPI-5202 Embedded industrial computer [Loongson 2K1000LA]
Banana Pi BPI-3A5000 industrial Computer [Loongson 3A5000]	Banana Pi BPI-2K3000 industrial Computer [Loongson 2K3000]
Banana Pi BPI-3A6000 industrial Computer [Loongson 3A6000]	

Accessories

BPI Accessories	
BPI-R4-NIC-BE14 WiFi7 module	BPI-5400 IEEE 802.3at 30W POE PD PoE module
BPI-9600 IEEE 802.3af PoE module	BPI-9460 IEEE 802.3af Isolation Model PoE module
BPI-7604 IEEE 802.3af PoE Splitter module	BPI-7402 IEEE 802.3at PoE module
BPI-6175 Single channel PoE++ BT PSE Module	4G module via USB
BPI-MT7615 802.11 ac wifi 4x4 dual-band module	7.0 LCD touch panel

BPI Accessories	
10.1 MIPI touch panel	10.1 HDMI touch panel
BPI Camera	BPI Zigbee BT5.0 IoT module
BPI LCD 1602 display module	BPI OLED Display Module
BPI RGB LED Matrix Expansion Module	BPI BerryClip Module

BPI Assemble Accessories	
BE14 heatsink	

Other Accessories	
5G Module	NVMe_SSD
4G Module	

BPI 4.0 OEM & ODM customized service

About BPI	BPI 4.0 Server	Successful case

Software & Development Tools

Embedded Operating Systems

- Armbian
- Tina Linux
- Mainline Linux uboot 2019.07

Tutorial

- Rockchip RKLLM Quack start guide
- Rockchip RKNN SDK Quick Start Guide
- How_to_build_a_image_with_BSP
- Docker Environment Configuration
- How to use DHT Sensor via Banana Pi
- How to get the log information for Banana Pi board
- Using 4G module with BananaPi
- WiFi/AP/BT/BLE on BananaPi
- OpenCV 3.4x on BananaPi

Building from sources

Banana PI SBC and Router source code on github : https://github.com/bpi-sinovoip

STEAM education product source code on github : https://github.com/BPI-STEAM

Easy to buy sample

Official Online Store & SinoVoip Aliexpress shop & BPI Aliexpress shop & Taobao shop & Joom shop

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