

Item no.: BPI-UNO32

BPI UNO32 - Banana Pi - UNO with ESP32 for Webduino, Arduino

13,85 EUR

Item no.: BPI-UNO32
shipping weight: 0.10 kg
Manufacturer: BPI



Product Description

Banana Pi BPI-UNO32 with ESP32 for Webduino, Arduino BPI-UNO32 uses the ESP-WROOM-32 of Espressif Systems as MCU. ESP32 is a single-chip solution integrating 2.4 GHz Wi-Fi and Bluetooth connectivity. The 40 nanometer technology of TSMC has the best power consumption, RF performance, stability, versatility and reliability. It can deal with various application scenarios.

With two separately controlled CPU cores, the main frequency can be up to 240 MHz, 448 KB ROM, 520 KB SRAM.

The size is fully matched with Arduino UNO R3.

The BPI-UNO32 is powered by a microUSB or 5.5 mm DC power adapter and has an automatic switching circuit.

- CPU: Xtensa(R) 32-bit LX6 single/dual-core processor
- ROM: 448 KB
- SRAM: 520 KB
- Flash: 4 MB (onboard), a maximum of 4 Flash/SRAM, each Flash maximum 16 MB
- Power: 5 V (at) 1 A microUSB power or 5.5 mm, 12 V DC port
- GPIO: 12-bits SAR ADC 18 channel, 2x 8-bit D/A converter, 4x SPI, 2x I2S, 2x I2C, 3x UART, Host SD/eMMC/SDIO, slave SDIO/SPI
- Wi-Fi: 802.11b/g/n/e/i 802.11n (2.4 GHz 150 Mbps) 802.11e (Quality of Service)
- Bluetooth: BT 4.2 & BLE
- Buzzer: Passive buzzer
- LEDs: RGB LED/POWER LED/Receive LED/Transmit LED
- Sizes: 68 mm x 53 mm

Specifications

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

