Item no.: 384155

BPI-R4 - Banana Pi BPI-R4

from **114,12 EUR**

Item no.: 384155
shipping weight: 0.30 kg
Manufacturer: BPI

Product Description

Banana Pi BPI-R4 Router board with MediaTek MT7988A (Filogic 880) quad-core ARM Corex-A73 design ,4GB DDR4 RAM,8GB eMMC,128MB SPI-NAND flash onboard, also have 2x 10Gbe SFP, 4x Gbe network port,with USB3.2 port,M.2 support 4G/5G/NVME SSD.2x miniPCIe slots with PCIe3.0 2lane interface for Wi-Fi 7 NIC (Network Interface Card). It is a very high performance open source router development board.MediaTek MT7988(Filogic 880)? Mediatek Filogic 880. the 36Gbps Wi-Fi 7 access point/router/gateway platform delivers the fastest and most reliable connection experienceThe MediaTek MT7988A is a world-Leading network processing platform for high-performance and reliable networking experiences,both in wired and wireless applications. The MT7988A comprises a rich connection interface sets include 4 Gigabit Ethernet ports. 2 USXGMII 10G interface. 4 PCIe Interfaces,and 2 USB 3.2 en1 Portsthe MT7988A further enables seamless Wi-Fi 7 tri-band,2.4 GHz.5 GHz and 6 GHz,connectivity,with its Wi-Fi 7 companion chip that features 320-MHz bandwidth,4096-QAM ,MLO,MRU,and AFC.To answer the need of fast-evolving tunneling applications,the MT7988A comes with MediaTek Tunnel offload processor System(TOPS),which facilitates the processing of a wide range of tunneling protocols.The MT7988A optimizes networking performance with exquistitely tuned ISA of MediaTek TOPS,and is dedicated to lifting networking offloading performance to premium level.Application direction?- Internet service Router- Wifi 7 Wireless Router- 4G/5G Wireless Router- Wireless Repeater- Home security Gateway- Home Automation- Nas device- Network and communication applicationsHardware Specification of Banana pi BPI-R4- CPU: MediaTek MT7988A (Filogic 880) quad-core Arm Corex-A73,1.8GHz processor- SDRAM: 4 GB DDR4- On board Storage: MicroSD (TF) card,8GB eMMC onboard- GPIO: 26 Pin GPIO,some of which can be used for specific functions including UART, I2C, SPI, PWM, I2S.- On board Network: 4 Port 10/100/1000Mbps Ethernet- SFP: 2x10G SFP- mini PCIE: 2x miniPCIe slots with PCIe3.0 2lane interface for Wi-Fi 7 NIC (Network Interface Card)- M.2 interface: 1x M.2 KEY-B slot with USB3.2/PCIe3.0 interface for 5G,1x M.2 KEY-M slot with PCIe3.0 1lane interface for NVME SSD- USB: 1xUSB 3.2 slot- Buttons: Reset button,WPS botton, boot switch- Leds: Power status Led and RJ45 Led- DC Power: 12V/5.2A or 19V 3.2A- Sizes: 100.5x148mm same as Banana Pi BPI-R64 and Banana Pi BPI-R2- Weight: 250g

Specifications

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