

BANANA PI OPENWRT ONE

POWERFUL OPEN SOURCE ROUTER FOR FLEXIBLE NETWORK SOLUTIONS

JOY-IT

SPECIAL FEATURES

- ✔ Support for OpenWRT
- ✔ Dual-band WiFi 6 (2.4 GHz & 5 GHz)
- ✔ 2.5 GbE WAN and Gigabit LAN port
- ✔ 1 GB DDR4 RAM & 256 MB SPI NAND
- ✔ M.2 NVMe SSD expansion socket
- ✔ PoE support and RTC with battery backup



The Banana Pi OpenWrt One Router is the perfect solution for anyone looking for a powerful, versatile router. With official support from the OpenWrt community, this router not only offers the proven open source software, but also the latest technology for maximum performance. Equipped with the MediaTek MT7981B SoC and WiFi 6, the router enables lightning-fast connections in both the 2.4 GHz and 5 GHz bands, ensuring stable, uninterrupted network usage.

Thanks to the robust design with 1 GB DDR4 RAM and 256 MB SPI NAND memory, the OpenWrt One is particularly fail-safe. A special dual-storage system protects against the "brick" state and guarantees reliable recovery. The router also offers an M.2 SSD socket for additional storage expansion, ideal for demanding applications such as NAS or IoT projects. A 2.5GbE WAN port and a Gigabit LAN port provide fast data transfer for all connected devices.

Support for Power over Ethernet (PoE) and an RTC with battery backup provide additional flexibility and enable operation in different network configurations. Expansion modules can be added via the MicroBUS socket, which further increases the router's adaptability.

With its open architecture and numerous functions, the Banana Pi OpenWrt One Router is aimed at developers, makers and advanced users who are looking for a stable, powerful network device. Ideal for DIY projects, OpenWrt development and demanding network applications. Rely on the Banana Pi OpenWrt One Router - the basis for your next technical masterpiece.

MAIN FEATURES

SoC	MediaTek MT7981B (Filogic 820) Dual-Core Cortex A53 @ 1.3 GHz
WiFi	Dual-band WiFi 6 via MediaTek MT7976C (2x2 2.4 GHz + 3x3 5 GHz)
RAM	1 GB DDR4
Ethernet	1x 2.5 GbE RJ45 & 1x Gigabit Ethernet RJ45
Memory	256 MB SPI NAND & 16 MB SPI NOR Flash
SSD	M.2 2242/2230 socket for NVMe SSDs (PCIe Gen 2x1)
Other special features	RTC Support, PoE Support, MicroBus Socket
Antennas	3x connection for MMCX antenna
USB	1x USB 2.0 type A, 1x USB type C
Power supply	15 V USB-PD via USB-C

FURTHER INFORMATION

Weight	600 g
Dimensions	91.5 x 87.5 mm
Item number	OpenWrt One
Scope of delivery	OpenWrt One, 3x Antenna, USB power supply
Customs tariff number	8471300000
EAN	4250236829777