Item no.: LTAP-LR8-LTE-KIT

RBLTAP-2HND&R11E-LTE&LR8 - Dual-Core, 880 MHz, 128MB RAM, LTE, GPS

271,20 EUR

Item no.: LTAP-LR8-LTE-KIT
shipping weight: 0.80 kg
Manufacturer: MikroTik

Product Description

RBLtAP-2HnD&R11e-LTE&LR8 - LtAP LR8 LTE kit with dual core 880 MHz CPU

Inside a heavy-duty case, there is a powerful 2.4 GHz wireless access point with a Gigabit Ethernet port, built-in GPS and two internal LTE antennas. There are two miniPCIe slots – one is used for the LTE modem, the other one is populated with the concentrator gateway card for LoRa(R) technology.

There are three powering options: DC jack, PoE-in and automotive. MikroTik has even seen users powering the LtAP with a 20 000 mAh power bank throughout the day!Internet-of-things has never been so affordable

To fully understand what this device can do, we need to talk about the Internet of Things. Lets start with an example. Imagine a farmer who has cattle, an irrigation system for the crops, and storage for the goods. On a day-to-day basis he needs to:

- track the animals;
- monitor the grain stock level;
- control the irrigation system

For all these tasks the farmer can use low-cost wireless sensors. By connecting them to the LtAP - he can gather the real-time data, combine it with the location information of the vehicle, and send it to the cloud via high-speed LTE. Now all the information he needs to monitor and plan the growth of his farms is in one place. So simple and so handy. The wireless technology behind this is called LoRa(R), which stands for Long Range. It requires very low power. Thats why LoRa(R) is the best way to build your Internet of Things solutions. LoRa(R) can be used for anything from smart homes to agriculture, supply chains, logistics and even smart cities. Monitor parking spaces, track utility services, measure environmental data and so on - the possibilities are endless.

There is even a free server infrastructure that you can use - The Things Network, fully supported by the LtAP LR8 LTE kit. With a large community of enthusiasts and developers around the world, you will never be alone with your questions regarding the LoRa(R) network.Included parts

- 24 V, 1.2 A power adapter
- K-67 fastening set
- 0.35 m 4-pin automotive adapter cable

- Product code: RBLtAP-2HnD&R11e-LTE&LR8
- Architecture: MMIPS
- CPU: MT7621A
- CPU core count: 2
- CPU threads count: 4
- Dimensions: 170 x 162 x 40 mm
- RouterOS license: 4
- Operating system: RouterOS
- Size of RAM: 128 MB
- Storage size: 16 MB
- Storage type: Flash
- Tested ambient temperature: -40°C to 70°C
- MTBF: Approximately 200'000 hours at 25°C

Powering

- PoE in: Passive PoE
- PoE in input voltage: 12-30 V
- Number of DC inputs: 3 (automotive, DC jack, PoE in)
- DC jack input voltage: 12-30 V
- Automotive input voltage: 12-27 V
- Max. power consumption: 24 W
- Max. power consumption without attachments: 9 W
- Fan count: Passive

Mobile

- 2G category: Class 12
- 2G bands: 2 (1900 MHz)/3 (1800 MHz)/5 (850 MHz)/8 (900 MHz)
- 3G category: R7 (21 Mbps downlink, 5.76 Mbps uplink)
- 3G bands: 1 (2100 MHz)/2 (1900 MHz)/5 (850 MHz)/8 (900 MHz)
- LTE category: 4 (150 Mbps downlink, 50 Mbps uplink)
- LTE FDD bands: 1 (2100 MHz)/2 (1900 MHz)/3 (1800 MHz)/7 (2600 MHz)/8 (900 MHz)/20 (800 MHz)
- LTE TDD bands: 38 (2600 MHz)/40 (2300 MHz)

Wireless specifications

- 2.4 GHz wireless max. data rate: 300 Mbit/s
- 2.4 GHz wireless number of chains: 2
- 2.4 GHz wireless standards: 802.11b/g/n
- Antenna gain dBi for 2.4 GHz: 2.5
- 2.4 GHz wireless chip model: AR9382
- 2.4 GHz wireless generation: Wi-Fi 4

Ethernet

- 10/100/1000 Ethernet ports: 1

Peripherals

- Serial port: RS232
- Number of USB ports: 1
- USB power reset: Yes
- USB slot type: USB type A
- Max. USB current (A): 1

Other

- PCB temperature monitor: Yes
- Voltage monitor: Yes

Certification & Approvals

- Certification: CE, EAC, RoHS

Specifications