Item no.: 383726

LTAP-2HND&FG621-EA&LR8 - LTAP-2HND&FG621-EA&LR8

228,⁷⁸ EUR

Item no.: 383726
shipping weight: 1.30 kg
Manufacturer: MikroTik

📄 Product Description

Inside the robust housing is a powerful 2.4 GHz wireless access point with a Gigabit Ethernet port, integrated GPS and two internal LTE antennas. There are two miniPCIe slots - one is used for the LTE modem, the other is populated with the concentrator gateway card for LoRa® technology.This updated edition comes with a brand new CAT6 LTE modem that increases mobile internet speed while lowering the price of the LtAP! It also enables carrier aggregation, allowing the device to utilise multiple bands simultaneously. This means - better responsiveness in a crowded environment and higher efficiency with weaker signals in rural areas. We have seen internet speeds in rural areas double after switching to CAT6!There are three power supply options: DC power, PoE-in and car power. We've even seen users power the LtAP all day long with a 20,000 mAh power bank!To understand what this device can do, we need to talk about the Internet of Things. Let's start with an example. Imagine a farmer who has livestock, an irrigation system for the plants and a warehouse for the goods. Every day, he needs to track the animals, monitor the crop and control the irrigation system.The farmer can use low-cost wireless sensors for all these tasks. By connecting them to the LtAP, he can collect the real-time data, combine it with the vehicle's location information and send it to the cloud via high-speed LTE. Now he has all the information he needs to monitor and plan the growth of his business in one place. So simple and so practical. The wireless technology behind it is called LoRa®, which stands for Long Range. It requires very little power. That's why LoRa® is the best way to build your Internet of Things solutions. LoRa® can be used for everything from smart homes to agriculture, supply chains, logistics and smart cities. Monitor car parks, track utility services, measure environmental data and so on - the possibilities are endless.There's even a free server infrastructure you can use - the Things Network, which is fully supported by the LtAP LR8 LTE Kit. With a large community of enthusiasts and developers around the world, you won't be alone with your LoRa® network questions.Perfect for logistics and trackingThere are 3 MiniSIM slots that allow you to set up automatic switching between mobile operators. Very handy if you need to cross borders regularly. The device has two internal LTE antennas, but you can use the U.FL connectors to add external antennas of your choice for even better coverage. The same goes for the GPS - you can connect an external antenna here too. By the way, we have provided a simple application example on the RouterOS documentation website so you can start real-time location tracking right away!The Things NetworkOur products for LoRa® are ready to work with "The Things Network" - the famous open-source infrastructure that provides free LoRa® network coverage and a variety of apps for your needs. With the help of The Things Network, you can get started with the Internet of Things within a day. And it's easy to upgrade to The Things Industries enterprise network.It's so easy to set up that anyone can learn it. No need to reinvent the wheel - join "The Things Network" and save time and energy with smart solutions!Specifications- Product code: LtAP-2HnD&FG621-EA&LR8- Dimensions: 170 x 162 x 40 mm- Architecture: MMIPS- CPU: MT7621AT- CPU core count: 2- CPU nominal frequency: 880 MHz- Number of CPU threads: 4- RouterOS licence: 4- RouterOS operating system: v7- RAM size: 128 MB- Memory size: 16 MB- Memory type: FLASH- MTBF: Approximately 200,000 hours at 25C- Tested ambient temperature: -40°C to 70°CPower supply- Number of DC inputs: 3 (DC socket, PoE-IN, automotive)- DC socket input voltage: 12-30 V- Automotive input voltage: 12-27 V- Maximum power consumption: 24 W- Maximum power consumption without additional devices: 12 W- Cooling type: Passive- PoE in: Passive PoE- PoE input voltage: 12-30 VMobile- 3G category: R8 (42.2Mbps downlink, 11.2Mbps uplink)- 3G bands: 1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)- LTE category: 6 (300Mbps downlink, 50Mbps uplink)- MIMO DL: 2x2- MIMO UL: 1x1- LTE FDD bands: 1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 28 (700MHz)- LTE TDD bands: 38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)- TAC: 86335904Wireless specifications- Wireless 2.4 GHz Maximum data rate: 300 Mbit/s- Wireless 2.4 GHz Number of chains: 2- Wireless 2.4 GHz standards: 802.11b/g/n- Antenna gain dBi for 2.4 GHz: 2.5- Wireless 2.4 GHz chip model: AR9342- Wireless 2.4 GHz generation Wi-Fi: 4Ethernet- 10/100/1000 Ethernet ports: 1Peripherals- Number of SIM slots: 3 Modem (Mini-SIM)- MiniPCI-e slots: 2- Serial console port: RS232- Number of USB ports: 1- USB power reset: Yes- USB slot type: Type A- Maximum USB current (A): 1Other- PCB temperature monitor: Yes- Voltage monitor: YesCertification & approvals- Certification: CE, EAC, ROHS- IP: 54

📄 Specifications

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prices and availability