MIKROTIK

LtAP LTE6 kit (2023)

A compact heavy-duty LTE access point with a built-in GPS.

Add extensive networking and tracking options to your vehicle without breaking the bank!



- ALL-IN-ONE: HIGH SPEED LTE, GPS, 2.4 GHZ WIRELESS
- MANY POWERING OPTIONS, INCLUDING AUTOMOTIVE
- EXTREME VERSATILITY WITH THE POWERFUL ROUTEROS V7
- RUGGED HEAVY-DUTY WEATHERPROOF CASE
- CONSOLE PORT FOR EASY CONFIGURATION
- GIGABIT ETHERNET WITH PASSIVE POE-IN
- 3 MINISIM SLOTS – PERFECT FOR ROAMING

In a world where connectivity knows no boundaries, and the roughest terrain meets the need for reliable networks, affordable location tracking, and other extensive features, one device stands out: the LtAP LTE6 kit! It is a compact wireless access point with built-in GPS in our most durable weatherproof case ever.





Perfect for logistics and tracking

There are **3 MiniSIM slots** – you can use them to set up automatic roaming, switching the mobile operators as you cross the border. The device features **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 principle goes for the GPS – you need an external antenna via the built-in SMA female port.

> *The power options are as flexible as it gets. You have the **classic DC jack, passive PoE-in**, and an **automotive connector**. We have even seen users powering the LtAP with a 20 000 mAh power bank throughout the day!*

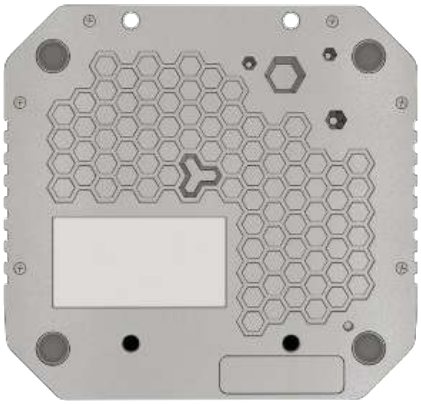
Customize – and achieve even more!

LtAP LTE6 kit comes with **two miniPCI-e slots**. One of these slots is reserved by the LTE modem, while the other one can be used as an expansion slot. You could add a 5 GHz interface, for example. Or a second LTE modem – for redundancy. It's your call, adapt the LtAP to your needs!

Our latest Cat6 LTE modem – cut costs, not speed

This LtAP features a brand new Category 6 LTE modem – the same modem you've seen in our bestselling Chateau ax series. It supports a variety of popular LTE frequencies, like the B28 band. You can reach consistent speeds of up to 300 Mbps with carrier aggregation, as CAT6 allows devices to use two bands simultaneously. That is a huge advantage in areas with many LTE users. LtAP LTE6 provides better responsiveness in a crowded environment and higher efficiency for weaker signal situations in the countryside. Depending on the service provider, we have seen Internet speed doubling in rural areas after switching to carrier aggregation.







RouterOS – the most versatile networking software on the market

Run a secure VPN from the office directly to your home, apply specific firewall rules, use IPsec hardware acceleration, VLAN, DHCP, e-mail or SMS notifications, and so on. With RouterOS scripting you can automate a lot:

- modify queues based on bandwidth usage;
- complex trigger notifications, such as "Your bandwidth has reached X for Y minutes!"
- backups and setup of additional devices, and so much more!

We have been making our own software since 1996. With each new version our priority remained the same: to provide users with the freedom to explore different setups and always have the right tools for the job. Without unnecessary paywalls.

Specifications

Product code	LtAP-2HnD&FG621-EA
CPU	Dual-core MT7621AT 880 MHz
CPU architecture	MMIPS
Size of RAM	128 MB
RAM type	DDR3
Storage	16 MB, Flash
Number of 1G Ethernet ports	1
MiniPCIe slots	2
SIM slots	3
USB port	1 USB 2.0 port type A
Wireless interface model	AR9382
Wireless	802.11b/g/n dual-chain
Antenna gain	2.5 dBi
Antenna connector	SMA female
GNSS	GPS / GLONAS / Galileo / Beidou
LTE modem	R11eL-FG621-EA
TAC	86335904
LTE Category	6 (300Mbit/s Downlink, 50Mbit/s Uplink)
MIMO DL	2x2
MIMO UL	1x1
LTE FDD bands	1 (2100 MHz) / 3 (1800 MHz) / 5 (850 MHz) / 7 (2600 MHz) / 8 (900 MHz) / 20 (800 MHz) / 28 (700 MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)
3G Category	R8 (42.2Mbps Downlink, 11.2Mbps Uplink)
3G bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)
Dimensions	170 x 162 x 40 mm
Operating system	RouterOS v7 only, License level 4
Operating temperature	-40°C to +70°C

Powering

Number of DC inputs	3 (PoE-In, Automotive, DC jack)
PoE-In input Voltage	12-30 V
PoE-In Max current at Min voltage	1.48 A
PoE-In Max current at Max voltage	0.59 A
Automotive input Voltage	12-27 V
Automotive Max current at Min voltage	1.31 A
Automotive Max current at Max voltage	0.59 A
DC jack input Voltage	12-30 V
DC jack Max current at Min voltage	1.31 A
DC jack Max current at Max voltage	0.59 A
Power adapter nominal voltage	24 V
Power adapter nominal current	1.2 A
PoE-In	Passive PoE
Max power consumption without attachments	12 W
Max power consumption	24 W

Certification & Approvals

Certification	CE, FCC, IC, E-MARK, EAC, ROHS
IP	IP54

Wireless specifications

Rate (2.4 GHz)	Tx (dBm)	Receive Sensitivity
1MBit/s	25	-100
11MBit/s	25	-94
6MBit/s	26	-96
54MBit/s	23	-78
MCS0	26	-96
MCS7	22	-73

Supported 2xCA LTE bands

1+1/3/5/7/8/20/28	3+3/5/7/8/20/28	5+5/7	7+7/8/20/28
40+40	8+8	38+38	41+41

Included parts



24 V 1.2 A
power adapter



Screw set



Automotive cable