MIKROTIK

LtAP LTE12 ax

Rugged automotive connectivity for life on the move.
Because the road doesn't come with Ethernet.

Some networks stay in server rooms. Others ride buses, cross borders, or work at remote industrial sites. The new LtAP LTE12 ax is built for the latter, bringing LTE Category 12, dual-band Wi-Fi 6, eSIM, GPS, and RouterOS v7 together in a rugged IP66-rated enclosure.

Flexible powering:
DC jack, 802.3af/at PoE in, 2-pin terminal

IP66

Dust? Heavy rain?
Bring it on!



- Built-in GNSS
- USB + extra miniPCIe for expansion
- Dual-band Wi-FI 6
  triple-chain 5 GHz radio with throughput up to 900 Mbit/s
- e-SIM + MikroTik Connectivity
  for quick & easy roaming/setup
- LTE CAT12 + 4x4 MIMO
  (up to 600 Mbps)
- 3x Gigabit Ethernet ports
- Dual NanoSIM

Crossing a border shouldn't mean opening a router to replace its SIM card. With **built-in eSIM support, a dual Nano SIM slot, and MikroTik Connectivity**, the LtAP gives you more ways to manage cellular access. Choose the operator and data plan that work for your deployment, without making physical SIM swaps part of every journey!

Don't have a mobile operator contract ready? You can still connect to the mobile network! It's as easy as 1-2-3: sign in to your MikroTik account, add your LtAP, and pick a data plan. You're ready to roll!

More connections than seats?

A modern vehicle can carry a whole network of its own: ticketing equipment, cameras, tracking systems, tablets, and more. LTE Cat12 with a 4x4 MIMO provides the cellular connection, while dual-band Wi-Fi 6 (with triple-chain 5 GHz radio with throughput up to 900 Mbit/s) and three Gigabit Ethernet ports take care of the devices on board. Built-in GPS adds positioning capabilities for fleet tracking and monitoring solutions.

Spare tire in the back, spare miniPCIe slot in the LtAP

Need another fallback cellular connection? The miniPCIe slot lets you install a compatible second modem and configure failover through RouterOS. You also get the familiar MikroTik toolkit: VPNs, advanced routing, firewall rules, and remote administration. Can't go wrong with more backup options in the middle of nowhere, can you?

*We've learned a thing or two from years of LtAPs on buses, trucks, and out in the field. Meet our toughest LtAP yet, with a brand-new **IP66**-rated enclosure!*





Wall or pole? Your call. The LtAP supports wall mounting and both horizontal and vertical pole mounting. Need external antennas? Dedicated drilling spots let you add SMA connectors.

Who said automation was just for smart homes?

The LtAP comes with an **analog input and a digital output**, opening up possibilities beyond networking. **Connect external sensors, monitor voltage signals, and use RouterOS scripting to automate responses**. For example, monitor equipment temperature and activate a cooling fan through an external relay when things get too hot. Simple, practical automation for vehicles, remote installations, and industrial environments.

Specifications

Product name	LtAP-5HaxT2HaxD&EG120K-EA
CPU	Dual-Core EN7562CT 950 MHz
CPU Architecture	ARM 32bit
RAM type	DDR3
Size of RAM	512 MB
Storage	NAND 128 MB
Number of 1G Ethernet ports	3
MiniPCIe slots	1
Number of USB slots	1 USB type A
SIM slots	Dual Nano SIM, eSIM
Switch chip model	EN7562CT
Wireless interface model	MT7916AN (2.4 GHz), MT7976AN (5 GHz)
Wireless	2.4 GHz 802.11b/g/n/ax, 5 GHz 802.11a/n/ac/ax, triple-chain 5 GHz radio
GNSS standard	GPS, Glonass, Galileo, BeiDou, QZSS
GNSS interface model	AG3352Q
LTE modem	EG120K-EA
TAC	86056104
MIMO DL	4x4
MIMO UL	1x1
LTE Category	12 (600Mbps Downlink, 150Mbps Uplink)
3G Category	R8 (DL: 42.2 Mbps; UL: 5.76 Mbps)
LTE FDD bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 7 (2600MHz) / 8 (900 MHz) / 20 (800MHz) / 28 (700MHz) / 32 (1500 MHz)
LTE TDD bands	38 (2600MHz) / 40 (2300MHz) / 41 (2500MHz)
3G bands	1 (2100MHz) / 3 (1800MHz) / 5 (850MHz) / 8 (900MHz)
Operating system	RouterOS v7, License level 4
Operating temperature	-40°C to +70°C

Powering

Number of DC inputs	3 (DC jack, PoE in, 2-pin terminal)
DC jack input Voltage	12-57 V
PoE in input Voltage	18-57 V
2-pin terminal input Voltage	12-57 V
Power adapter nominal voltage	24 V
Power adapter nominal current	1.2 A
PoE in	802.3af/at
Max power consumption (without attachments)	15 W
Max power consumption	21 W

Included parts



24 V 1.2 A
power adapter



Hose clamp



K-97 fastening set



SIM ejector tool