



ALAS XX

A multipurpose surface-to-surface missile system

Knowing that artillery superiority today relies on precise, time-sensitive, intelligent, and highly efficient ammunition, EDePro prides itself on developing the ALAS missile family that has all the characteristics of the 5th generation missile systems. As the family's first representative, the ALAS XX, has the performance of the best multipurpose surface-to-surface systems.

Tactical Use

This missile system is intended for attacking static and movable ground targets, and it is field-tested. Further enhancements, which are currently in the designing design phase, will open possibilities enable the ALAS XX to engage facilities, hardened targets, tanks, and armoured vehicles hardened targets, facilities, as well as tanks and other armoured vehicles.

Interaction with Other Combat Units

The ALAS XX can receive target coordinates from a third party (other force, UAV, drone, or any other unit detecting a target). This enables interaction with other combat units without the need for additional manoeuvres to find Line-Of-Sight targets.

The GNC Section

The key function is providing stabilisation and as well as guidance and control of the ALAS missile in all flight phases the via integrated INS or INS/GPS (depending on GPS signal quality). The homing head subsystem consists of a seeker, TV CCD or IR sensor with the a gyro-stabilised frame, and a computer.

The Warhead Type

A tandem warhead capable of penetrating over 1,000 mm of RHA, which makes the missile system suitable for engaging hardened targets, facilities, as well as tanks and other armoured vehicles.

Environmental & Operational Conditions

The prototype fully complies with the following MIL-STD-810F standard's test methods: 501.4 (High TEMP), 502.4 (Low TEMP), 503.4 (TEMP Shock), 507.4 (Humidity), 513.5 (Acceleration), 514.5 (Vibrations).

MAIN SPECIFICATIONS

- Ø Calibre: 175 mm
- ◆ Range: 25 km
- 📏 Takeoff mass: 77 kg
- ↔ Length: 2720 mm



The Launcher Type

The ALAS XX missile, which is expected to become a part of the armament of the Serbian Army's armaments is integrated with the MRLS M18 OGANJ, a modular self-propelled multiple rocket launcher system. Each vehicle can be equipped with 4 to 8 missile containers.





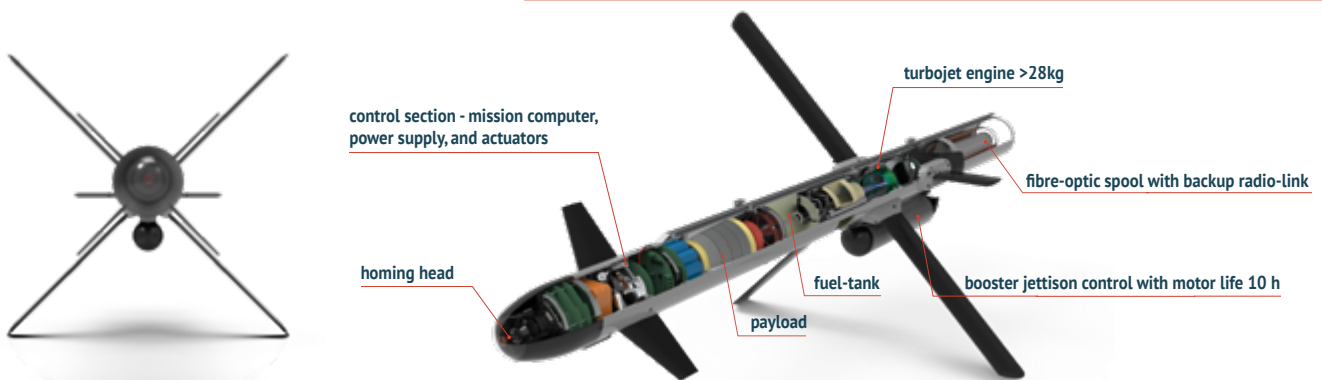
MAIN TACTICAL AND TECHNICAL PERFORMANCES

Technical specifications

| |
|--|
| Total body length |
| Calibre |
| Wingspan |
| Takeoff mass |
| Container's inner dimensions |
| In-flight mass |
| Sustainer type |
| Sustainer speed |
| Booster type (detachable) |
| Cruising speed |
| Maximum flight altitude above sea level |
| Cruising altitude relative to the launching position |
| Maximum effective range |
| Minimum effective range |
| Maximum manoeuvrability |

| Data | Unit |
|-----------------------|------|
| 2720 | mm |
| 175 | mm |
| 1638 | mm |
| 77 | kg |
| 400 x 472 | mm |
| 62 | kg |
| turbojet engine | / |
| 90000 | rpm |
| a solid propellant RM | / |
| 120-150 | m/s |
| 2000 | m |
| 150-600 | m |
| 25 | km |
| 3 | km |
| 4 | g |

MISSILE COMPONENTS



BENEFITS

- » The navigation relies on INS, GPS and on altimeter (based on availability).
- » The midterm guidance based on pre-set trajectory points from GCS.
- » The homing head signal has an absolute accuracy of 1 m.
- » Tracking and lock-on target range can be up to 7 km.
- » Communication with (GCS) during the mission setup & flight.
- » Mission abort can be manual (via GCS) or automatic (based on predefined criteria).

