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Gremlin-X™

REUSABLE MINI-BOMBER



OVERVIEW

The Gremlin-X is a low-cost, reusable mini-bomber that delivers precision strike capability even in GPS- and communications-denied environments. It returns after each strike to reload and relaunch, building mission intelligence with each sortie through onboard terrain mapping and target cueing.

KEY FEATURES

Reusable After Every Strike

Returns to base after every successful strike for rapid reload and relaunch. At approximately $1K per effect over 30+ missions, it delivers precision strike at a fraction of the cost of single-use alternatives.

Terrain and Target Mapping for Follow-on Sorties

Builds and refines a 3D terrain map with each sortie, improving navigation accuracy and cueing future targets.

GPS- and Communications-Denied Operation

Designed to operate without GPS or external communications, using onboard EO and IR sensors, a camera, and a laser altimeter for vision-aided navigation in fully contested environments.

Day/Night Autonomous Target Recognition (ATR)

EO and IR sensors combined for day-and-night ATR.

Full Sensor-to-Effects Chain with SwarmOS™

Paired with SwarmOS collaborative autonomy software, ISR drones detect and track targets while Gremlin-X engages, completing the sensor-to-effects chain. Operator authorizes each strike.

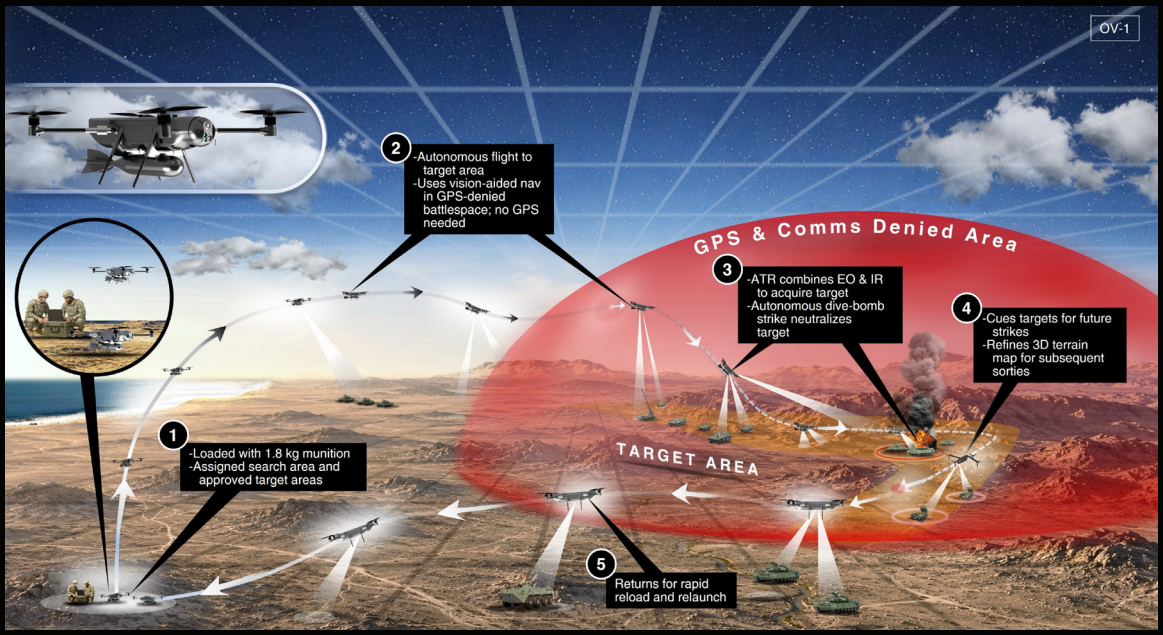
C2 and Operator Interface

Operator interface via ATAK. Demonstrated interoperability with the Army's NGC2 prototype ecosystem. Designed to integrate with existing DoW command and control ecosystems without proprietary dependencies.





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Mechanical & Interfaces Key Specifications

Type / Form Factor	Reusable Mini-Bomber / Quadcopter VTOL	**Operator Interface / C2**	ATAK / Army NGC2 prototype ecosystem
Range	5 km (2.7 nmi)	**Swarm (Optional)**	SwarmOS collaborative autonomy software
Endurance	25 min[1]	**Communications**	Mesh radio datalink; 30 km (16 nmi) range
Weight	8kg (17.6 lbs) all-up weight including 1.8kg payload[2]	**GPS-Denied Nav**	Onboard sensors & ScavengerNav software
Speed	Cruise: 39 kts Max: 48 kts	**Sensors**	• EO & IR camera & laser range finder on gimbal • Downward-facing EO camera; laser altimeter
Dimensions	895 x 758 x 272 mm (35.2 x 29.8 x 10.7 in)	**Power Source**	Rechargeable battery



DESIGNED FOR:

- Multi-UAV precision strike
- Persistent strike in denied environments
- ISR and terrain mapping
- High-tempo precision strike with rapid reload

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[1]With a second battery payload.
[2]Payload is modular (warhead or second battery).

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