



ThunderB-VTOL

Small Tactical Long Range VTOL UAS



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The ThunderB-VTOL, a hybrid fixed wing UAS, offers high operational flexibility and combine the advantages of a fixed wing UAV with the benefits of a multi-copter:

Fixed wing advantages - Extended endurance, high speed operation in harsh environments, large area coverage and ability to glide to safe landing.

Multi-copter advantages - Ability to take off and land in small limited areas (such as small forest clearings, urban rooftops, etc.) and soft and accurate landing.

Main Features and Capabilities

- **VTOL** - Pin-point vertical takeoff & landing in confined areas anywhere, anytime
- **Exceptional Performance** – Endurance up to 12 hours, communication range of up to 150 Km with a digital link and tracking antenna
- **Mission Flexibility** - Variety of high-performance sensors, comms & software algorithms for diverse missions
- **Covert Operation** - Low acoustic, visual, thermal and radar signatures
- **GPS Denied Environment** - Multi-layer protection against GPS Jamming for mission continuity in GPS denied environment
- **Advanced Datalinks** - Mission continuity even in COMJAM environment - integrated 3 communication links
- **Robust System** - Optimal operation in severe weather & extreme terrain
- **Easy to Operate** - Rapid deployment and turnaround time, small crew of two, no need for prepared area, Intuitive, mission oriented GCS
- **High Reliability** - Multiple system redundancies and advance field-proven avionics
- **Low LCC** - Low acquisition and maintenance costs

PERFORMANCE

Comm. range	up to 150 km
Endurance	up to 12 Hrs.
MTOW	45 Kg



VTOL-Vertical Takeoff & Landing

Variety of Payloads



Ground Data Terminal (GDT)



Ground Control Station (GCS)



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