

FAST sUAS

The Field Adaptable Supply Technology (**FAST**) swarming system is a rapidly-deployable and affordable platform for small payload aerial delivery. Using plug-and-play hardware, the **FAST swarming** system can be quickly deployed to any area at a very low cost.

A user-friendly system enables fleets of vehicles operated by a single ground station to deliver over 2.3lb of payload over 3 mi. Designed and built in the USA with a robust supply chain and lean manufacturing techniques, large quantities of FAST systems can be rapidly deployed, even for disposable missions such as target and counter UAS tests.

Additional applications include: Emergency Relief, Package Delivery, First Responders, Entertainment and Media, Swarm Artificial Intelligence Research, Real Estate and Construction, Industrial and Asset Maintenance.

Key Specifications

Payload: 2.3 lb. (max. 4.5lb.)

Range: 3mi (2.3lb payload)

Weight: 8 lb.

Endurance: 15 min

Key Features

Affordable hardware options

Single operator

User friendly control system

Integrated swarm technology

Rapid order fulfillment

Customizable payload capacity

Proven vehicle cooperation algorithm

Multi-component adaptability

Robust structural design

v12



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Features

- Flexible tool for disaster relief, training exercises and other missions.
- One operator controls up to 100 vehicles.
- System can be configured into one or more swarms.
- USA designed and assembled.
- Assembles in under 2 minutes.
- Simple integration with ground controller.
- Open-source autopilot.

Specifications

Range* :	3 Miles (4.8 km)
Max Flight Time* :	15 Minutes (Hover)
Useable Payload*:	2.3 lb. (1 kg)
Gross Weight*:	8 lb. (3.6 kg)
Battery Capacity:	6000mAh Standard Config (Customizable if needed)
Battery Voltage:	22.2V
Battery Type:	18650 Li-ion Cells
Ground Speed Limit*	22 mph (10 m/s)
Dimensions (with props)*	29 in x 29 in x 6.5 in (.74m x .74m x .17m)
Dimensions (no props)*	16 in x 16 in x 6.5 in (.40m x .40m x .17m)
Max Wind Speed*	Sustained: 5 kts (9 km/h)
Payload Options*	Water bottles, custom enclosure for various items.

*Current estimates depending on configuration and application.

