

Background

The FC Mini is a low cost, one time use Guided Precision Aerial Delivery System (GPADS) for payload weights between 200-500 lbs.

The FC Mini delivery system provides the ability to accurately, remotely and safely deliver equipment, ammunition and other must-have supplies to Forward Operating Bases (FOBs) and/or hostile geographical locations, without the cost and burden of recovery and retrograde of the GPADS system.

Key Features

The FC Mini is shipped to the customer in sealed packaging with the parachute completely packed and rigged to the AGU. The parachute and AGU can be stored up to five years prior to use. When called upon, the operator unseals the unit from the packaging, installs the battery, programs the mission on the AGU, and rigs the system to the payload.

Airborne Guidance Unit

- Lightweight: 11-lbs including the battery (standard MicroFly® AGU weighs 42-lbs)
- Compact: 10.75" x 7" x 5"
- Wood enclosure minimizes potential IED materials
- Removable battery for easy recharging and replacement
- Single actuator for canopy control
- Standard LCD/Keypad interface
- Commercial GPS

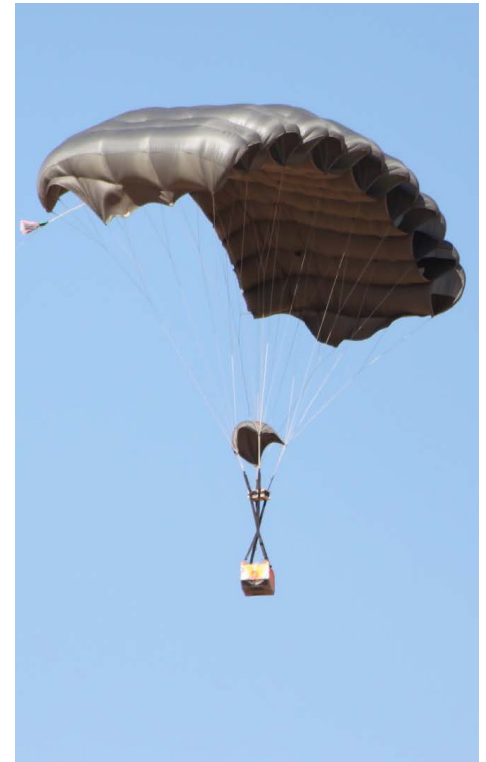
Parachute System

- Flight performance identical standard MC-4/5 military freefall canopy
- Deployed by release away static line (RASL)

- All deployment components retained to system
- Low-cost materials (similar to 1T 2K canopy materials)
- Maximum release altitude: 24,500 ft MSL.

Flight Software

- Airborne Systems Flight Software
- Option automatically clear all data and render AGU unusable immediately upon landing
- Option for handheld remote control
- Compatible with USAF CAT airdrop mission planner software
- Terrain avoidance supported via Airborne Systems jTrax-MP mission planner software
- Accuracy: 60-m Average, 100-m 80% CEP
113-m 90% CEP



Specifications for FC Mini

Maximum Gross Rigged Weight

1T MC-4

500 lbs

1T INT-360 (RA-1)

500 lbs

Physical Characteristics

System Weight (canopy only)

21 lbs

21 lbs

Span

25.7 ft

31.7 ft

Surface Area

360 sq ft

360 sq ft

Chord

14 ft

12 ft

Cell Count

7

9

Release Altitudes

Maximum (AMSL)

24,500 ft MSL

24,500 ft MSL

Minimum (AGL)

3,500 ft AGL

3,500 ft AGL

Max Glide Ratio, No wind

2.5:1

3.5:1

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WHERE TECHNOLOGY » TAKES FLIGHT

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