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)

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

<table>
<thead>
<tr>
<th>Specification</th>
<th>1T MC-4</th>
<th>1T INT-360 (RA-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Gross Rigged Weight</td>
<td>500 lbs</td>
<td>500 lbs</td>
</tr>
<tr>
<td>Physical Characteristics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>System Weight (canopy only)</td>
<td>21 lbs</td>
<td>21 lbs</td>
</tr>
<tr>
<td>Span</td>
<td>25.7 ft</td>
<td>31.7 ft</td>
</tr>
<tr>
<td>Surface Area</td>
<td>360 sq ft</td>
<td>360 sq ft</td>
</tr>
<tr>
<td>Chord</td>
<td>14 ft</td>
<td>12 ft</td>
</tr>
<tr>
<td>Cell Count</td>
<td>7</td>
<td>9</td>
</tr>
<tr>
<td>Release Altitudes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum (AMSL)</td>
<td>24,500 ft MSL</td>
<td>24,500 ft MSL</td>
</tr>
<tr>
<td>Minimum (AGL)</td>
<td>3,500 ft AGL</td>
<td>3,500 ft AGL</td>
</tr>
<tr>
<td>Max Glide Ratio, No wind</td>
<td>2.5:1</td>
<td>3.5:1</td>
</tr>
</tbody>
</table>

FC Mini
Guided Precision Aerial Delivery System

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