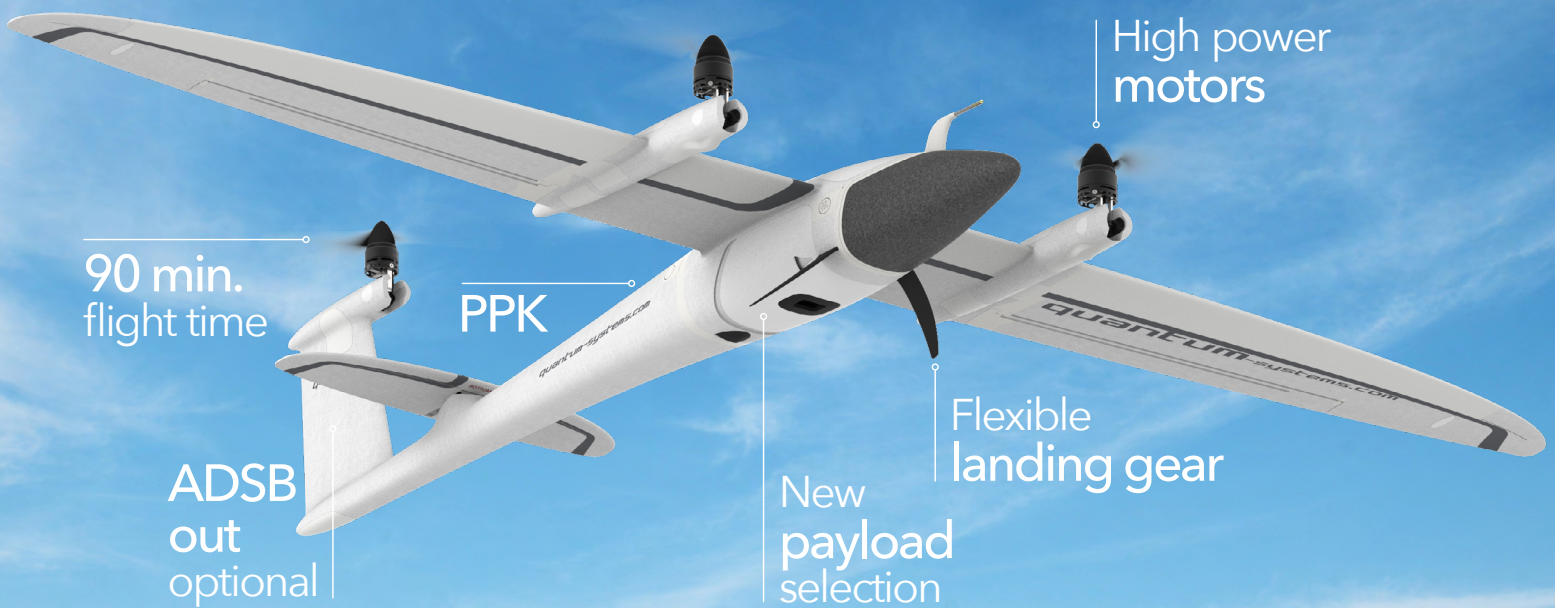


“The Trinity has the potential to blow any conventional fixed-wing UAV out of the market.”

Christopher Clark, Rocketmine

quantum
systems



TRINITY F90+

PACKAGE PRICE

- **Trinity F90+ UAV**
- **PPK**
Allows you to reduce typical GNSS geotagging errors of several meters down to 2-5 cm via auxiliary GNSS data collection in flight. Better accuracy with dramatically reduced additional costs!
- **Anti-Collision-Lights**
Our Trinity F90+ UAV has integrated flashing anti-collision strobe and position lights.
- **Live-Air-Traffic**
Now it is possible to automatically integrate the Live-Air-Traffic-Info into QBase when pingUSB is connected. pingUSB is the world's smallest, lightest and most affordable USB dual-band ADS-B receiver. pingUSB provides high-quality tracking data for use with software such as Virtual Radar Server and services including ADS-B Exchange.
- **iBase**
iBase is a reference GNSS station, it allows for the relative (and at externally georeferenced points absolute) geotagging precision of aforementioned PPK quality via logging the GNSS reference measurements on the ground to later use them in QBase flight data post-processing.
- **QBase - Ground Control Station**
Mission planning software, runs on any Windows PC/Laptop
 - Corridor Planning, Live-Air-Traffic, Resume Mission
- **Remote Controller (RC)**
- **Battery Pack + Battery Charger**
- **Lightweight Transport Case**
- **Warranty (1 year)**
- **Technical Support**

TECHNICAL DATA

Max. Take-off Weight	5.0 kg (11.0lbs)
Max. Flight Time	90 min*
Max. Range = Area	100 km = 700 ha (62 mi = 1730 ac)
Command and Control Range	5 - 7.5 km** (3.1 - 4.7 mi)
Payload (with compartment)	max. 700 g (1.54 lbs)
Optimal Cruise Speed	17 m/s (33 kn)
Wind Tolerance (ground wind)	up to 9 m/s (17.5 kn)
Wind Tolerance (in cruise flight)	up to 12 m/s (23.3 kn)
Operating Temperatures (UAV)	-12 °C to 50 °C (10.4 °F to 122 °F)
Wingspan	2.394 m (7.48 ft)
Transport Case Dimension	1002x830x270 mm (39.4x32.7x10.6 inch)

* export permission required

** under optimal conditions.

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