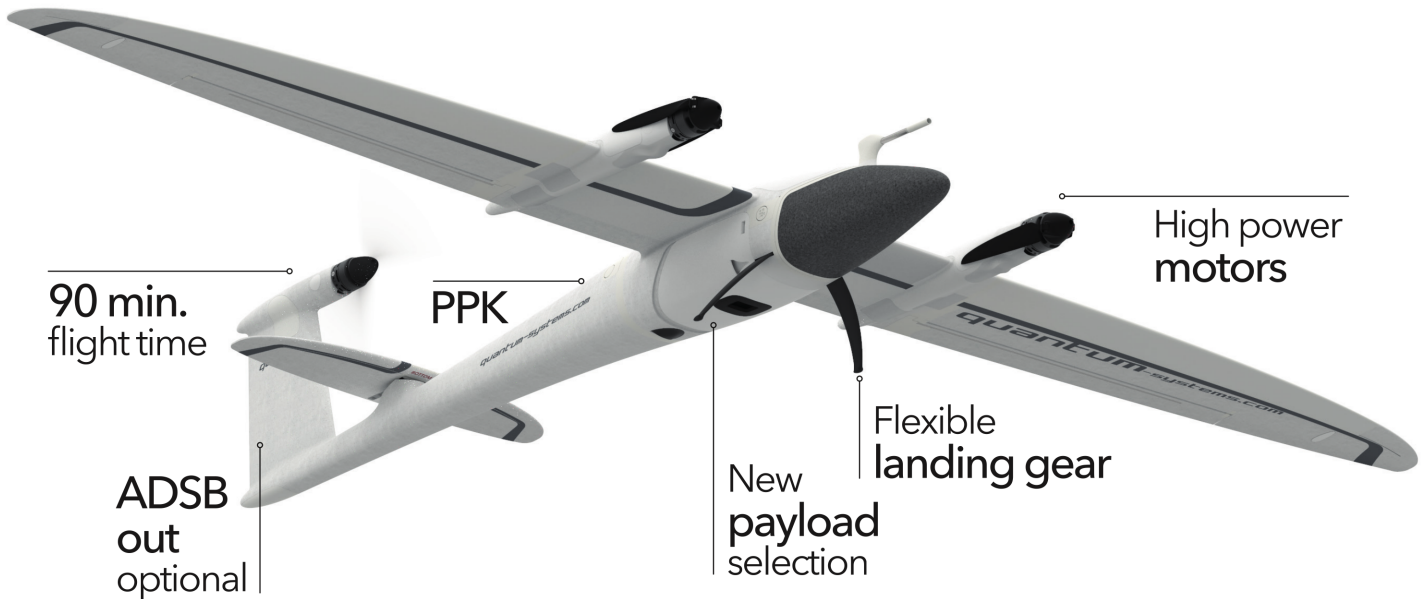


Trinity F90+

quantum
systems

Pricelist Basic



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**

If remote ID is required by law, Quantum-Systems will offer an upgrade option free of charge for all Trinity F90+ being delivered after April 1st 2021.

TECHNICAL DATA

	LOCKED <60 MINUTES	UNLOCKED 90+ MINUTES ¹
Max. Take-off Weight	5.0 kg (11.0lbs)	5.0 kg (11.0lbs)
Max. Flight Time	<60 min	90+ min ¹
Max. Range = Area	70 km = 500 ha	100 km = 700 ha
Maximum flight altitude (MSL)	4500 m (14763.8 ft) ²	4500 m (14763.8 ft) ²
Command and Control Range	5 - 7.5 km (3.1 - 4.7 mi)	5 - 7.5 km (3.1 - 4.7 mi)
Payload (with compartment)	max. 700 g (1.54 lbs)	max. 700 g (1.54 lbs)
Optimal Cruise Speed	17 m/s (33 kn)	17 m/s (33 kn)
Wind Tolerance (ground)	up to 9 m/s (17.5 kn) ³	up to 9 m/s (17.5 kn) ³
Wind Tolerance (cruise)	12 m/s (23.3 kn)	12 m/s (23.3 kn)
Operating temperature range	-12°C to 50°C (10.4°F to 122°F)	-12°C to 50°C (10.4°F to 122°F)
Wingspan	2.394 m (7.85 ft)	2.394 m (7.85 ft)
Transport Case Dimension	1002x830x270 mm (39.4x32.7x10.6 inch)	1002x830x270 mm (39.4x32.7x10.6 inch)
Transport Case Weight (3 batteries)	22.3 kg (49.1 lbs)	22.3 kg (49.1 lbs)

¹ Subject to export regulation, may require export permission.

² Please be aware that the flight time and max. wind tolerance are reduced with increasing flight altitude. Depending on the weather conditions; tested at 15°C (59°F). For further details read the user manual chapter 3.1.

³ Please be aware that the max. wind tolerance is reduced with increasing flight altitude.