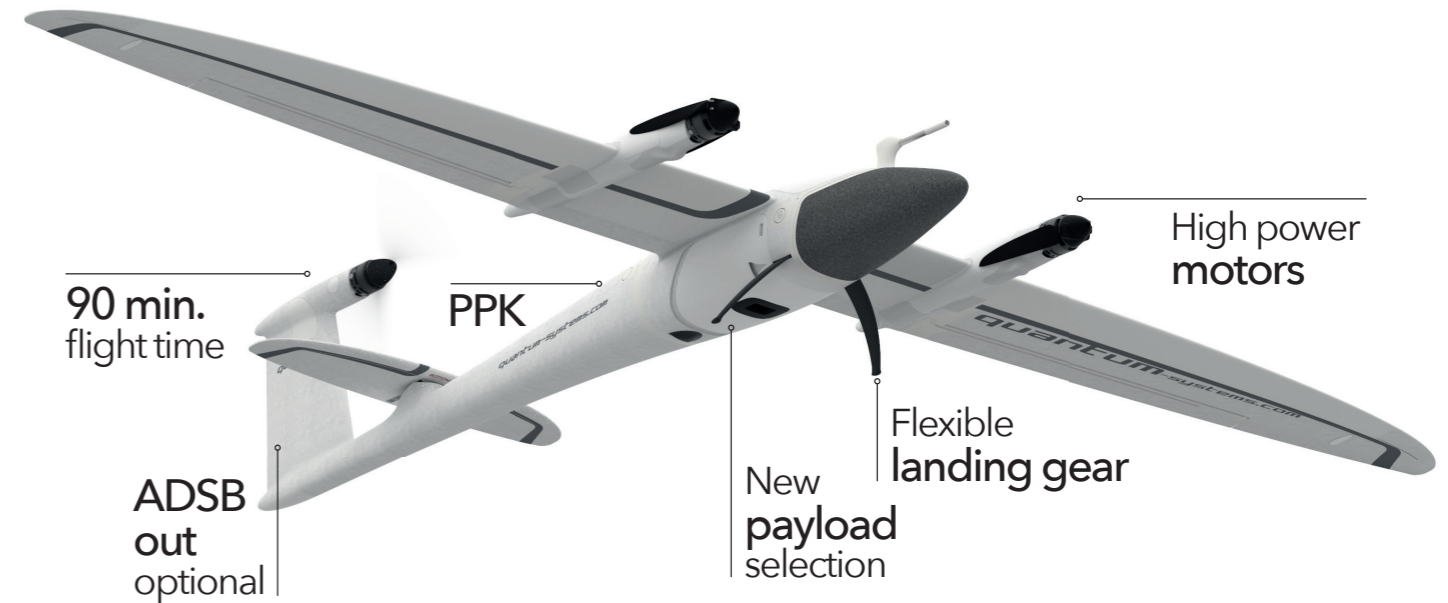


Trinity F90+

quantum
systems

Catalogue



READY TO FLY UNIT

- **Trinity F90+** or **Trinity F90+ ADS-B**
Art.: 4260574661427 Art.: 4260574661748
UAV including GNSS module for GNSS-raw data collection in flight.
- **iBase reference GNSS Base Station**
Portable base station to enable high precision PPK processing.
- **USB ADS-B Receiver Set**
Integrates Live-Air-Traffic-Info into QBase.
- **Air Data Probe**
- **QBase 3D Software - Ground Control Station**
Mission Planning Software, including QBase Modem Longrange 2,4GHz and Cable.
- **Remote Control (RC)**
Remote Control Transmitter including charging cable.
- **Battery Pack and Battery Charging Station**
- **Anti-collision Strobe and Position Lights**
2 sets with 3 pieces each.
- **Anemometer**
- **User Manuals and Quick-Start Guide**
- **Lightweight Transport Case**

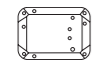
TECHNICAL DATA

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

SYSTEM SUPPLEMENTS



ADS-B out Transponder (Option) Art.: 4260574662059



DLSII Kit (Plug & Play)
for enhanced light calibration
Art.: 4260574663094

Mandatory for MicaSense camera to achieve optimal results

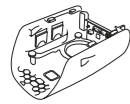
Trinity F90+ LiDAR/DLSII ready Refit Kit

Art.: 4260574663230

Trinity F90+ DLSII Mount Kit

Art.: 4260574663278

PAYLOAD READY BAYS



Payload Ready Bay

3D Print payload (90 g) including multi-payload interface board to integrate pre-defined cameras. Excl. cameras.

Sony RX1RII Ready Art.: 4260574662134

MicaSense RedEdge-MX Dual Ready

Art.: 4260574662127

MicaSense RedEdge-MX Ready

Art.: 4260574662141

Trinity F90+ MicaSense Altum PT Ready

Art.: 4260574664688

Trinity F90+ MicaSense RedEdge-P Ready

Art.: 4260574664671

MicaSense Altum Ready

Art.: 4260574662097

PAYLOADS



Sony UMC

Art.: 4260574661571

Sony UMC-R10C 20.1 MP Sensor with 16 mm fixed focal length.



Sony RX1R II

Art.: 4260574661588

CMOS full format sensor and fixed focal length lens. 42.4 MP resolution.



MicaSense RedEdge-MX

Art.: 4260574661595

Captures five narrow spectral bands; Excl. DLS II and Calibrated Reflectance Panel (CRP).



MicaSense Dual Camera Kit

Art.: 4260574662073

MicaSense RedEdge-MX + RedEdge-MX Blue Synchronized capture of all 10 bands for pixel aligned imagery. Excl. DLS II and CRP.



MicaSense RedEdge-MX Blue Ready

Art.: 4260574662103

Ready for MicaSense RedEdge-MX camera. New coastal blue band, a new green band and three new bands in the red to red-edge region of the spectrum. Excl. DLS II and CRP. Incl. RedEdge-MX Blue. Excl. Red-Edge-MX.



Double Payload Sony UMC + MicaSense RedEdge-MX

Art.: 4260574661601

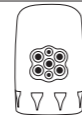
Excl. DLS II and CRP.



Sony UMC + MicaSense RedEdge-MX Ready

Art.: 4260574662080

Ready for MicaSense RedEdge-MX camera. Incl. Sony UMC. Excl. Red-Edge-MX.



MicaSense Altum Art.: 4260574661977

Altum integrates a radiometric thermal camera with five high-resolution narrow bands, producing advanced thermal, multispectral and high-resolution imagery in one flight for advanced analytics. Excl. DLS II and CRP.



Qube 240 LiDAR Art.: 4260574663049

With CloudStation Q240



Trinity F90+ MicaSense RedEdge-P

Art.: 4260574664657

CRP & DLS2 not included.



Trinity F90+ MicaSense Altum PT

Art.: 4260574664664

CRP & DLS2 not included.

SOFTWARE



Calibrated Reflectance Panel (CRP)

Art.: 4260574660758

Mandatory for MicaSense camera to achieve optimal results



CloudStation Core

Art.: 4260574663322

special version for Qube 240 annual license (2nd and following years)

CloudStation Core

(Perpetual License) Art.: 4260574663339

CloudStation Strip Adjustment Module

(Annual License) Art.: 4260574663056

CloudStation Strip Adjustment Module

(Perpetual License) Art.: 4260574663346

CloudStation Terrain Module

(Annual License) Art.: 4260574663353

CloudStation Terrain Module

(Perpetual License) Art.: 4260574663360

Applanix POSPac UAV

(Annual Subscription) Art.: 4260574663063

Applanix POSPac UAV

(Perpetual License, with one year maintenance)

Art.: 4260574663070

Applanix POSPac UAV

(Software Maintenance 1-year subscription for software maintenance) Art.: 4260574663797

CloudStation Upgrade

Perpetual license (at time of purchase of Qube240)

Art.: 4260574664701

Magnetic USB-Cable

Art.: 4260574660451

iBase Stand

Art.: 4260574663810

Payload Locking Pin

Art.: 4260574662028

Trinity F90+ Cooling Station

Art.: 4260574663827

Trinity F90+ Spares - Air Data Probe

Art.: 4260574664343

Trinity F90+ iBase Set

Art.: 260574661298

Trinity F90+ USB ADS-B Receiver Set

Art.: 4260574661045

QBase Modem Longrange 2,4GHz

Art.: 4260574661151

REPLACEMENT COVERAGE PLAN



Replacement Coverage Plan #1

Art.: 4260574663124 Purchase with Trinity

Replacement Coverage Plan #2

Art.: 4260574663131 Purchase with Trinity

Replacement Coverage Plan #1

Art.: 4260574663148

Subsequent Purchase or Extension

Replacement Coverage Plan #2

Art.: 4260574663155

Subsequent Purchase or Extension

Replacement Coverage Plan #1

Art.: 4260574663162

50% Discount for RCP Extension

(If the drone replacement was not claimed in the previous year)

Replacement Coverage Plan #2

Art.: 4260574663179

50% Discount for RCP Extension

(If the drone replacement was not claimed in the previous year)

SPARE PARTS & ACCESSORIES



Signal Stickers

Art.: 4260574661960

4 pieces of signal stickers. 2x green (top & bottom) for left wing, 2x red (top & bottom) for right wing).

Battery Pack

Art.: 4260574661335

Trinity F90+ SPARES - Elevator

Art.: 4260574661410

Trinity F90+ SPARES - Left Wing

Art.: 4260574661397

Trinity F90+ SPARES - Right Wing

Art.: 4260574661380

Trinity F90+ SPARES - Battery Charging Station UK

Art.: 4260574660680

Trinity F90+ SPARES - Battery Charging Station US

Art.: 4260574660673

Trinity F90+ SPARES - Battery Charging Station EU

Art.: 4260574660666

ACSL SET

Art.: 4260574661052

RED, GREEN and WHITE, incl. charger, excl. micro-USB cable

Magnetic USB-Cable

Art.: 4260574660451