

Multi-Sensor PPP Module

POWERED BY



and

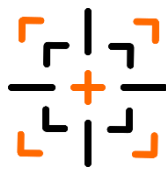


Dual-Frequency & Multi Constellation GNSS
for fast convergence time

Multi-Sensor fusion on a single board
for Autonomous Vehicles, Robots,
UAVs and Vessels



High solution update rate



Precise Attitude & Positioning



Bridges signal shading



Breakthrough pricing



Easy System Integration



navcast PPP correction processing

SENSOR FUSION PERFORMANCE

Precise Positioning (1σ):

Horizontal accuracy: 0.15 m + 1 ppm
Vertical accuracy: 0.20 m + 1 ppm

Precise Attitude (1σ):

Accuracy: 0.25° (1m antenna spacing)

Velocity Accuracy: 0.03m/s RMS

Time-Stamp Accuracy: 1us RMS

Solution Output-Rate: up to 120 Hz

PPP Initialization:

Initialization Time: < 15 min

Solution Latency: < 30 ms

GNSS FEATURES

GNSS Constellations:

Galileo, GPS, Glonass,
Beidou, SBAS

GNSS Const. concurrent:

All

GNSS-Bands:

GPS L1C/A L2C,
GLO L1OF L2OF,
GAL E1B/C E5b,
BDS B1I B2I,
QZSS L1C/A L2C

Channels: 184

GNSS data rate: 20 Hz

Jamming detection: Yes

Timepulse-Output: Yes

MECHANICAL & ENVIRONMENTAL

Dimension:

110mm x 80mm x 30mm

Weight:

50g

Temperature:

-40°C to +85°C

ELECTRICAL & INTERFACES

Power Connector:

USB-C 5V or

Terminal connector up to 24V

Power Consumption:

Peak: 10W (2A)

Average: 6.5W (1.3A)

Communication Interfaces:

Ethernet, WLAN, CAN, UART, LTE

Output format:

Standardized: NMEA format

Proprietary: binary format



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