

RTK APPLICATIONS

• JEBSEE •

NPA211

GNSS RTK Base Station Receiver L1/L2/L5/L6

High-Precision GNSS RTK Module For Positioning Applications



Survey GNSS Antenna
(AN1525)



GNSS RTK Receiver Module
(NP0211)

Features

- **Advanced Multi-Frequency GNSS Support**
Supports GPS, GLONASS, Galileo, and BeiDou systems across L1, L2, L5, and L6 frequencies, ensuring unparalleled precision and reliability in positioning data.
- **Superior Anti-Interference Performance**
Optimized circuitry and a robust low-noise amplifier actively suppress out-of-band and electromagnetic interference, guaranteeing signal purity and stable performance in complex environments.
- **Rapid Startup and Easy Integration**
Get to work faster with plug-and-play functionality and simple USB-C connectivity.
- **Flexible Mounting Options**
Offers multiple mounting choices including bracket mounting or direct mounting, for easy integration into existing setups including drones and surveying instruments.

Application

- **High-Precision UAV Positioning and Navigation**
Our product is engineered to deliver high-precision, high-reliability positioning for UAVs. It's perfectly suited for professional tasks like aerial photography, remote sensing, and infrastructure inspection.
- **Professional Mapping and Surveying**
Meets the demands of topographic surveys, cadastral surveys, engineering measurements, and other geospatial data acquisition tasks.

Item	Model No.	NPA211
		RF Performance
Standard		GNSS RTK Receiver L1 / L2 / L5 / L6
Positioning Accuracy		RTK Fix 0.01 m + 1 ppm CEP
		Timing
Time-to-First Fix (Cold) sec		30 (typ.)
Time-to-First Fix (Hot) sec		2 (typ.)
		Data
RAW Data Update Rate Hz		20 (max.)
RTK Update Rate Hz		8 (max.)
		Electrical
Working Voltage V		4.75 ~ 5.25
Current Consumption mA		100 max. @ 3.0 – 5.5 VDC
Connector Interface		USB-C
		Mechanical
Mounting		Screw Mount
IP Rating		IPX3
Dimensions mm		62.8 x 47.1 x 11.1