



## The Most Affordable RTK Receiver from Eos Positioning Systems®

*The Arrow 200+® is built upon the same technology as the world's first GNSS receiver that could provide 1 cm (survey-grade) real-time accuracy to any Android™, iOS®, or Windows® mobile device. Yes, you can enjoy 1 cm accuracy on your smartphone or tablet while using any third-party mobile app.*

*Designed for use with a broad range of mobile devices and by a variety of field crews, the Arrow 200+ incorporates rock-solid wireless Bluetooth® technology that works smoothly with any Android™, iOS®, and Windows® devices — making it obsolete-proof and portable across platforms. Additionally, today's Arrow 200+ offers an incredible 14-hour battery life to withstand even the longest work days.*

### Works Seamlessly with Any Mobile GIS App

Mobile GIS software evolves quickly, but with the Arrow 200+, you'll never be locked into outdated hardware or software. This versatile GNSS receiver delivers 1 cm RTK accuracy to any app on your smartphone or tablet, including ArcGIS Field Maps, Survey123, any third-party app, and even Google Maps and Apple Maps. Moreover, the Arrow 200+ integrates easily with any proprietary app your team has developed. Meanwhile, the free Eos Tools Pro monitoring app runs in the background and supports all your GNSS metadata and solutions from Eos.

### Robust Global Satellite Coverage

The Arrow 200+ is engineered with premium features that rank it among the world's top-performing GNSS receivers. It taps into all global satellite constellations (e.g., GPS, GLONASS, Galileo, BeiDou, QZSS) and any regionally available RTK services to deliver 1 cm RTK accuracy anywhere. Whether you're connected to an RTK network or a private base station, the Arrow 200+ ensures reliable, high-precision positioning — no matter where your work takes you.

# ARROW 200+®

## Arrow Series®

for 1-3cm Accuracy with RTK



Save Paper!  
Scan QR for PDF

### Key Features:

- Dual-Frequency, Multi-Constellation (e.g., GPS, GLONASS, Galileo, BeiDou, QZSS) GNSS Receiver
- Supports 1 cm Survey-Grade Accuracy in Real Time with RTK Corrections
- Compatible with All Mobile GIS Software/Apps
- Includes External Antenna for Variety of Field Mounting Options
- iOS®, Android™, Windows® Compatible
- Long-Lasting 14+ Hour Battery Life
- 1 cm RTK Accuracy (Real Time)
- Dustproof, Waterproof, Rugged



### Packed with Power, Ready for the Field

The Arrow 200+ provides incredible flexibility and performance in the field. Whether you're using a smartphone, tablet, or notebook, it delivers 1 cm real-time RTK accuracy when connected to any RTK correction source. Its separated antenna design offers unmatched versatility: Mount it to a vehicle, backpack, high-visibility vest, chestpack, or range pole to suit your workflow. With a powerful all-day lithium-ion battery and a rugged, weatherproof build, the Arrow 200+ is engineered to keep pace with your crews, in any conditions or terrain.

# Specifications

## GPS Sensor

Receiver Type:	Dual-Frequency, Multi-Constellation GNSS RTK Receiver
GNSS Signals Received:	GPS: L1CA, L1P, L1C, L2P, L2C GLONASS: G1, G2 Galileo: E1BC, E5b BeiDou: B1i, B2i QZSS: L1CA, L2C
SBAS Support:	3-Channel, Parallel Tracking (with SBAS Ranging); WAAS, EGNOS, MSAS, GAGAN, SouthPAN
Update Rate:	1 Hz Default
RTK Accuracy:	8 mm <sup>1</sup> + 1 ppm Horizontal 1.5 cm <sup>1</sup> + 1 ppm Vertical (RMS)
SBAS Accuracy:	< 30 cm HRMS <sup>1</sup> < 60 cm 2DRMS <sup>1</sup>
Autonomous Accuracy:	1.2 m HRMS <sup>1</sup>
Cold Start:	< 60 Seconds Typically (No Almanac or Time)
Reacquisition Time:	< 1 Second
Maximum Speed:	1,850 kph (1,150 mph, 99 knots)
Maximum Altitude:	18,288 m / 60,000 ft

## Communication

Port:	Bluetooth®, USB 2.0, Serial
Bluetooth Transmission:	Class 1, 300 m Typical Range <sup>2</sup> , up to 1 km
Bluetooth Frequency:	2.400 - 2.485 GHz
Fully Bluetooth Pre-Qualified:	Bluetooth 2.1 + EDR
Supported Bluetooth Profiles:	SSP, iAP
Data I/O Formats:	NMEA 183, RTCM SC-104, Binary
Output Datum:	Autonomous: WGS-84 (Latest Revision) SBAS: ITRF (Current Year Epoch) RTK: Same as RTK Base
Raw Measurement Data:	Binary, RINEX
Correction I/O Protocol:	RTCM 2.X, 3.X, MSM, Proprietary Binary
GPS Status LEDs:	Power, GNSS, DGNSS, DIFF, Bluetooth
Battery Status LED:	5-LED Indicator
Timing Output:	1PPS, CMOS, Active High, Rising Edge Sync, 0 kΩ, 10 pF Load (via Serial Port)
Event Marker Input:	MOS, Active Low, Falling Edge Sync, 10 kΩ, 10 pF Load (via Serial Port)

## Power

Battery Type:	Field Replaceable, Rechargeable Lithium-Ion Pack
Battery Autonomy:	14+ Hours <sup>3</sup>
Charging Time:	4 Hours

## Environmental

Operating Temperature:	-40°C to +85°C (-40°F to +185°F) <sup>3</sup>
Storage Temperature:	-40°C to +85°C (-40°F to +185°F)
Humidity:	95% Non-Condensing
Compliance:	FCC, CE, RoHS and Lead-Free



Eos Positioning Systems Inc.  
Terrebonne (Quebec), Canada  
Tel: +1 (450) 824-3325  
[www.eos-gnss.com](http://www.eos-gnss.com) [info@eos-gnss.com](mailto:info@eos-gnss.com)

## Mechanical

Enclosure Material:	Xenoy®
Enclosure Rating:	Waterproof; Designed to Meet IP-67
Immersion:	30 cm, 30 Minutes
Dimensions (cm):	12.5 cm x 8.4 cm x 4.2 cm
Dimensions (inches):	4.92" x 3.3" x 1.65"
Weight:	372 g (0.82 lbs)
Data Connectors:	Mini USB Type B Receptacle
Antenna Port:	SMA Female

## Antenna

Impedance:	50 Ohms
Gain (No Cable):	27 dB (± 2 dB)
LNA Noise Figure at 25°C:	2.5 dB Typical
Voltage:	+2.5 to +16 VDC
Dimensions (mm):	68 mm Diameter, 30 mm Height
Dimensions (inches):	2.7" Diameter, 0.8" Height
Weight:	170 g (0.37 lbs)
RF Connector:	SMA Female
Operating Temperature:	-40°C to +85°C (-40°F to +185°F)
Humidity:	Waterproof

## Standard Accessories

Lithium-Ion Battery Pack	Pole Bracket and Clamp
12 VDC Power Supply	Hard-Shell Carrying Case
USB Cable	Antenna Cable
GNSS Antenna	Antenna Mounting Plate


## Optional Activations and Accessories

10 Hz, 20 Hz, or 50Hz Output Rate  
Spare Arrow Series Battery Pack  
Vehicle Charger

### NOTES :

- <sup>1</sup> Depends on multipath environment, number of satellites in view, satellite geometry, baseline length (for local services) and ionospheric activities. Stated accuracies for baseline lengths of up to 50 km.
- <sup>2</sup> Transmission in free space.
- <sup>3</sup> Lithium-ion battery performance degrades below -20°C (-4°F)

© Copyright 2025, Eos Positioning Systems Inc. All rights reserved. Specifications subject to change without notice. Arrow 200+®, Arrow Series® are registered trademarks of Eos Positioning Systems Inc., Canada. The Bluetooth® trademarks are owned by Bluetooth SIG, Inc, U.S.A. All other trademarks are the property of their respective owners.

Made in Canada 

Authorized Distributor