






# Reach RX2



Datasheet



## All-band RTK rover

-  Centimeter accuracy
-  Tilt compensation
-  Compact & rugged
-  16 hours on one charge
-  Compatible with ArcGIS Field Maps and other GIS apps



# Specifications

## Mechanical

Dimensions	172 x 51 x 51 mm (6.77 x 2.00 x 2.00 in)
Mount	5/8"-11 UNC and quick release
Weight	280 g (0.62 lb)
Operating t°	-20 to +65 °C (-4 to 149 °F)
Ingress protection	IP68 (maximum depth of 1.5 meters up to 30 minutes)

## Positioning

RTK	H: 7 mm + 1 ppm V: 14 mm + 1 ppm
Tilt	RTK + 2 mm + 0.3 mm/°
Convergence time	~5 s typically

## Electrical

Autonomy	Up to 16 hrs
Battery	Li-Ion 7000 mAh, 3.6 V, 25.2 Wh
Charging	USB Type-C, 5V 2A
Certification	FCC, CE, IC, MFi

## GNSS

Signal tracked	GPS: L1C/A, L2C, L5 GLONASS: L1OF, L2OF Galileo: E1-B/C, E5a, E6 BeiDou: B1I, B1C, B2a, B3I QZSS: L1C/A, L1C/B1I, L2C, L5 NavIC: L1-SPS Data, L5-SPS
Number of channels	672
Update rate	5 Hz

## Data

Input data format	RTCM3
Input data protocol	NTRIP
Position data format	NMEA

## Connectivity

Communication interface	Bluetooth 4.2 (BR/EDR + LE)
Ports	USB Type-C port

Learn more  
at [emlid.com](https://emlid.com)



The Reach RX2 is a compact RTK rover that delivers centimeter accuracy with tilt compensation, designed for GIS, utilities, and construction. It comes with Emlid Flow, the field app that syncs instantly with the cloud to keep projects and teams aligned in real time.

RX2 also integrates seamlessly into your workflow with leading GIS apps such as ArcGIS Field Maps, Survey123, QField, and Mergin Maps. In addition, it can be mounted on a handle and paired with PIX4Dcatch and similar apps for high-precision terrestrial scanning and 3D modeling.

