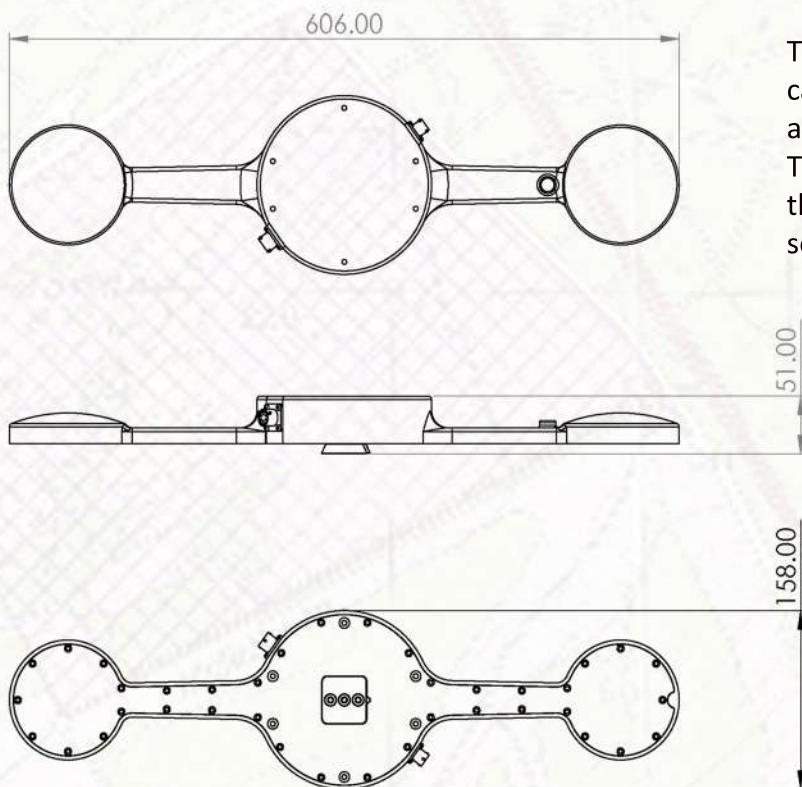


## Technical Specifications



### Geo-Boom

The Geo-boom is a dual GNSS antenna receiver which is capable to retrieve a precise GEO location of the AMMS and provides the orientation of the sensor fielded. This increases the ease and flexibility in deployment of the sensor post as all of the data will be automatically send through the network to the AMMS C2 software.

Geo-Boom  
(RPDS/01)

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# Specifications - Geo-boom

## Geo-boom Details

Size	60,6 x 15,8 x 5,1 cm
Weight	2.6 Kg
Power	Active 2.8 W Standby 0.24 W

## Electronics

Operational Voltage	12 VDC
Application	Dual GNSS antenna module Heading + Positioning
GNSS usage	GPS L1, GLONASS L1, RTK 540 Channels (up to 20Hz update)
Horizontal Accuracy, m (RMS)	Autonomous 1.2m SBAS: 0.3m
Heading Accuracy	0.5m baseline < 1°
Time to First Fix / Signal Reacquisition	Cold Start: <40s Hot Start: <5s Heading Fix: <10s (after GPS fix)
Antenna	GPS L1, GLONASS G1, and SBAS (WAAS, EGNOS & MSAS) frequency band (1574 to 1606 MHz)
Communication protocol	AVISA bus

## Connections

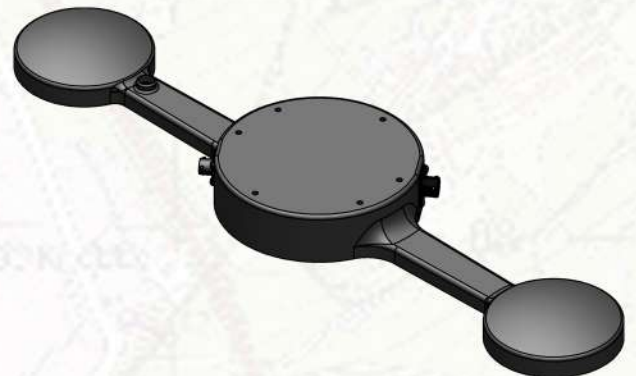
Port 1	AB in-/output (4-pin), environmentally sealed
Port 2	AB in-/output (6-pin), environmentally sealed

## Mechanical

Structure	Casing: waterproof molded case Bottom plate: metal
Connectors	Glenair circular

## Environmental

Operating Temperature	-40°C to 85°C
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