

- Remote e-Antenna Extension: Engineer Survey Parameter Unit

Main Features

- The Antenna Engineering Parameter Measurement Unit module can be used to measure geographical position and azimuth
- Measure longitude, latitude, altitude, azimuth, mechanical tilt
- Integrates dual GPS chips for geo-location measurement
- Integrated three-axis acceleration sensor for mechanical tilt measurement
- Temperature drift compensation algorithm for high precision measurement
- Compatible with AISG ES-RAE v2.2.0 standard



Measurement Accuracy

Longitude/Latitude	<6 m
Altitude	<6 m
Azimuth	±3.5°
Mechanical Tilt Angle	±1° (Normal temperature)
AISG Device Type	RAE(0x31)
IOT	Support Huawei、ZTE、Nokia、Ericsson
Note	Performance may be affected by GNSS signals' multipath, satellite number and satellite visibility

Electrical Data

Protocol	Compact 3GPP /AISG2.0/AISG ES-RAE V2.2.0
Input Voltage	DC 10-30V
Voltage Ripple	100mVpp
Power Rated	<2.5 W
Connectors type	AISG 8pin Male, IEC601309
Interface Specification	RS 485A/B (pin5, pin3); power supply(pin6); DC return(pin7)

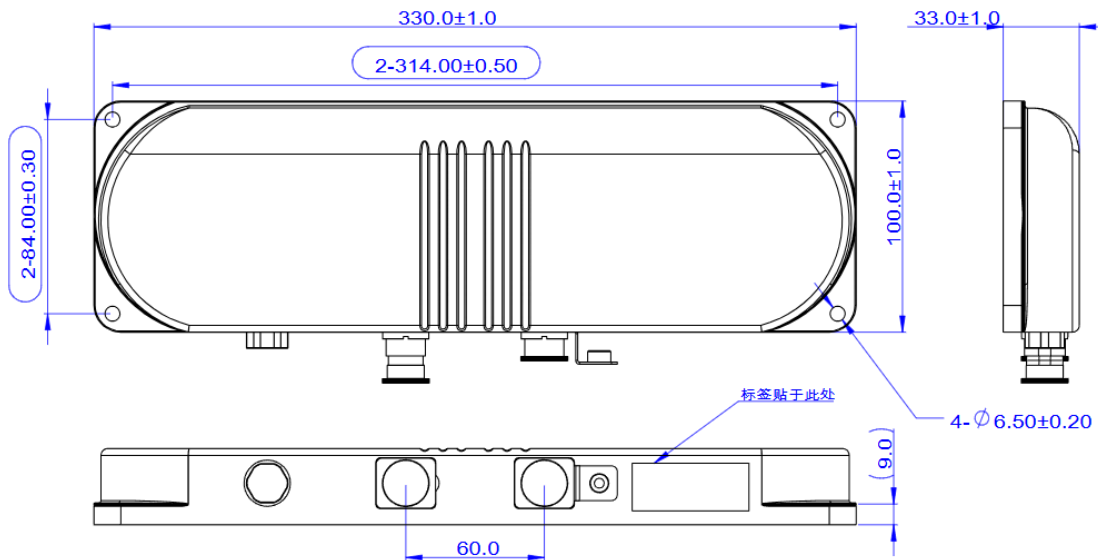
Environmental Data

Operating Temperature Range	-40℃ to 75℃
Relative Humidity	5% to 95%
Waterproof	IP65
Electrical Safety Standard	EN 60950
Lightning Protection	Compact IEC 61000-4-5:2005 IEC 5KA (8/20 μS)

Mechanical Data

Dimension	330mm x 100mm x 33mm
Weight	≤650g

Overall Dimensions



Application scenarios

EPU connect to RRU



EPU daisy-chain RET then connect to RRU



While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary. For environmental information, please refer to www.ProseTechnologies.com