

DESCRIPTION

HEDGE-4008-S130 is an integrated 8-Channel GNSS CRPA solution combining advanced antenna processing with a dual-band, multi-constellation GNSS engine. Supporting L1 and L5 operation, the system leverages two independent CRPA arrays to provide high-performance spatial and spectral interference suppression. Designed for SWaP constrained platforms, the solution enables high-end anti-jam capability in a compact form factor.

KEY FEATURES

- L1, L5 Band Support
- Dual-Frequency & Multi-Constellation GNSS Reception
- Up to 3 Different Jammer Suppression
- Real Time Monitoring and Configuration in WebGUI
- Antenna Pattern Visualization
- FFT Spectrum Viewer
- Embedded GNSS Receiver

APPLICATION AREAS

- Commercial Drones & UAVs
- Marine
- Autonomous Vehicles / Robotics

TECHNICAL SPECIFICATIONS

- Antenna Array : 4 + 4 Element
- Simultaneous Independent Nulling : 3 + 3
- Nominal Jammer Suppression : > 40 dB
- J/S Performance : > 100 dB
- Frequency Bands : L1C, L1C/A, E1, B1C, B1I
L5, E5a, B2a
- Operating Voltage : 9-36 V DC
- Power Consumption : < 13 W

INTERFACE SPECIFICATIONS

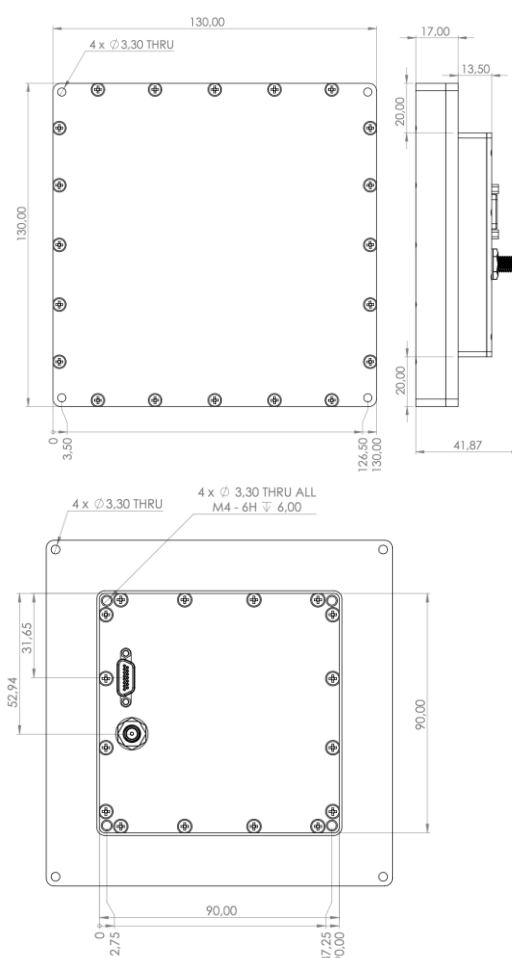
- Interfaces : Ethernet, RS-485, RS-232
- Connectors : 1x SMA, 1x Micro-D

MECHANICAL SPECIFICATIONS

- Dimensions : 130x130x30.5 mm
- Weight : < 550g

ENVIRONMENTAL SPECIFICATIONS

- Operating Temperature (Baseplate): -40°C to +85°C
- Environmental Compliance : MIL-STD-810H
- EMC Compliance : MIL-STD-461F



Unless otherwise specified dimensions are in millimeters.