

DESCRIPTION

HEDGE-8016-S130 is an integrated triple band 16-Channel GNSS CRPA solution combining advanced antenna processing with a multi-band, multi-constellation GNSS engine. Supporting L1, L2, and L5 operation, the system leverages three 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, L2, L5 Band Support
- Multi-Frequency & Multi-Constellation GNSS Reception
- Up to 7 Different Jammer Suppression
- Adaptive Notch Filters & Pulse Blankers
- Real Time Monitoring and Configuration in WebGUI
- Virtual Antenna Pattern Visualization
- FFT Spectrum Viewer
- Jammer Signal Information
- Embedded GNSS Receiver

APPLICATION AREAS

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

TECHNICAL SPECIFICATIONS

- Antenna Array : 8 + 4 + 4 Element
- Simultaneous Independent Nulling: 7 + 3 + 3
- Nominal Jammer Suppression: > 50 dB
- J/S Performance: > 110 dB (with GNSS receiver)
- Frequency Bands: L1C, L1C/A, E1, B1C, B1I
L2C, L2P(Y)
L5, E5a, B2a
- Operating Voltage: 9-36 V DC
- Power Consumption: < 25 W

INTERFACE SPECIFICATIONS

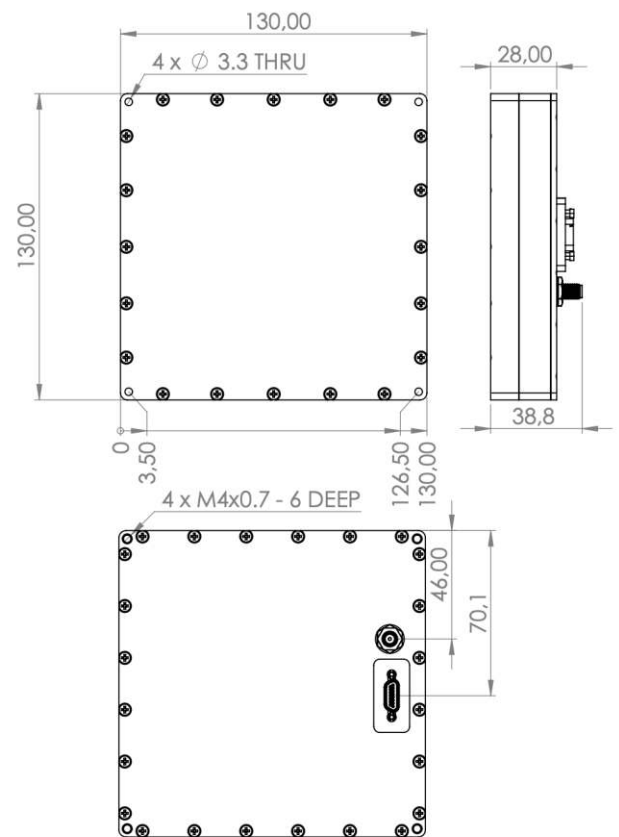
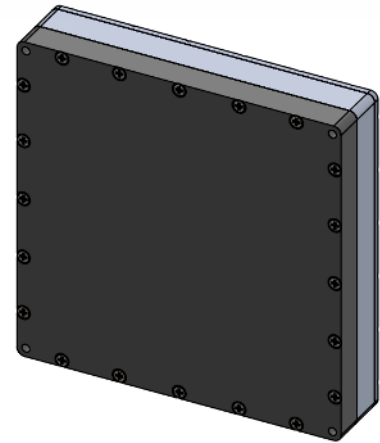
- Interfaces: Ethernet, RS-485, RS-232
- Connectors: 1x SMA, 1x Micro-D

MECHANICAL SPECIFICATIONS

- Dimensions: 130x130x28 mm
- Weight: < 670g

ENVIRONMENTAL SPECIFICATIONS

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



Unless otherwise specified dimensions are in millimeters.