

## 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

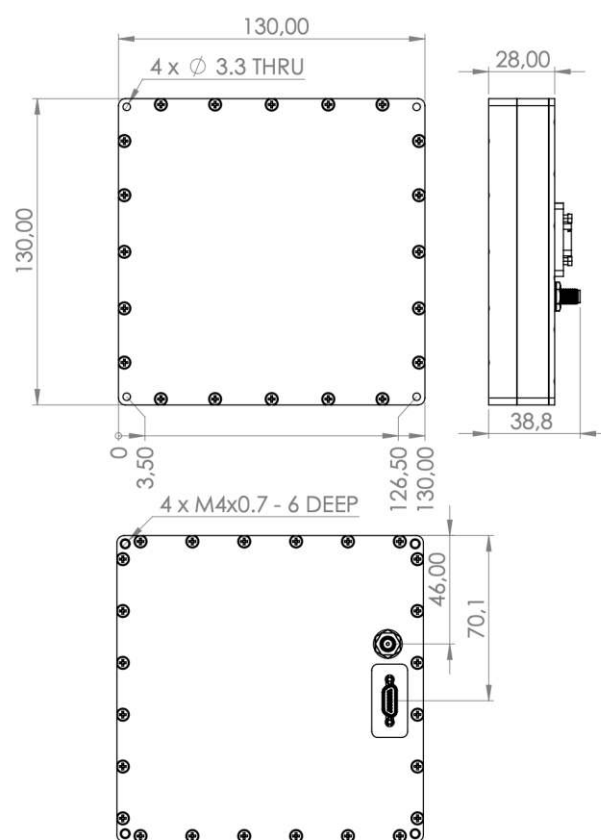
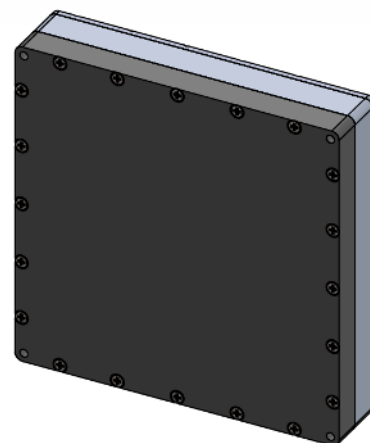
Interfaces: Ethernet, RS-485, RS-232  
 Connectors: 1x SMA, 1x Micro-D

## 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.