Aura

Aura DATASHEET

Aura provides advanced protection against GNSS jamming, ensuring resilient and uninterrupted navigation in contested environments. Designed for seamless integration in enclosed or OEM configurations, it delivers dual-band, multi-source protection against multiple simultaneous threats, maintaining reliable positioning, navigation, and timing (PNT) when it matters most.

infiniDome
NAVIGATION RESILIENCY

The New Standard in GNSS Anti-Jamming in enclosed and OEM formats
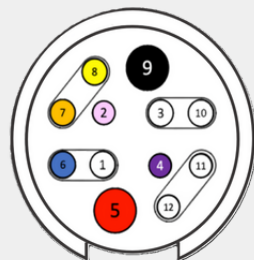
Two Powerful Formats

Optimized Hardware
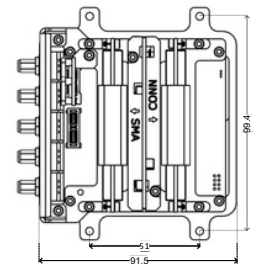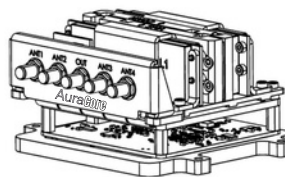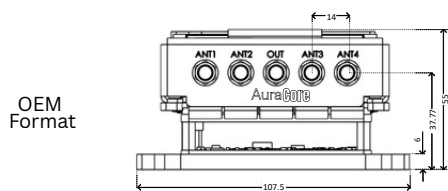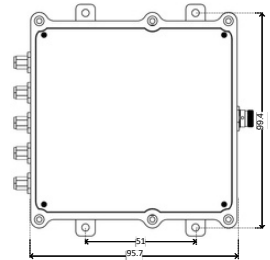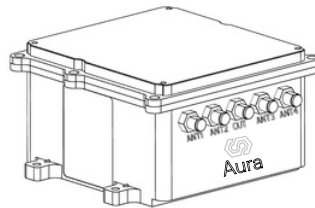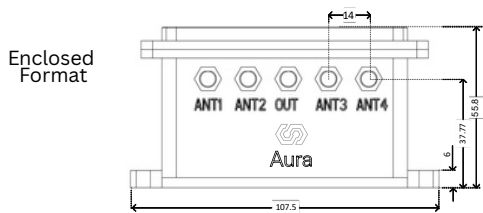
Upgraded Algorithms

Key Features

- C-SWAP optimized
- Supports 2-4 elements (antennas)
- Up to 3 null attenuation in each frequency (number of antennas -1)
- Minimally packaged null steering technology
- Average power consumption < 9W
- Peak power consumption: < 16W
- Retrofit – Plug and Play solution
- Protected frequencies (either):
  - GPS L1/Galileo E1 + GPS L2
  - GPS L1/Galileo E1 + GLONASS G1

- Passthrough unprotected frequencies GPS L2 or L5 or GLONASS G1
- Intelligence gathering capabilities enhancing situational awareness via UART - allows for real-time threat heat map creation
- Compatible with most off-the-shelf active GNSS antennas
- Optimal position antenna arrangement (>10cm apart)

Product Specifications

Physical

Version	Weight	Size
OEM	375g	107.5 x 91.5 x 55 mm
	13.2 oz	4.25 × 3.60 × 2.15 in
Enclosed	500 g	107.5 x 95.7 x 55.8 mm
	17.64 oz	4.23 × 3.77 × 2.20 in

LED Indication

Constant Red	System Error
Flashing Red	System Initialization
Constant Green	System Operating (no jamming detected)
Flashing Orange and Green	System Operating (jamming detected)

RF Interfaces

Antennas	50Ω	2.5-5 VDC	Active antenna Gain 26-32dB
RF connectors	SMA 50Ω *OEM also available with MMCX, weighing 25 grams less.

Performance

Protected Signal	L1/E1 + L2 L1/E1 + G1
Latency	~100ns
Compression Point	P1dB –25dBm
Insertion Loss	6dB

Power Requirements

Operating voltage	6 - 32 VDC
Power Consumption	Nominal 9W	Peak 16W

EPS Product Wiring

PSU positive terminal	Red	Pin 5
PSU Negative terminal	Black	Pin 9
Dry contact (+) jamming indication	Purple	Pin 4
Dry contact (–) jamming indication	Green	Pin 2
UART RX	Orange	Pin 7
UART TX	Yellow	Pin 8
UART GND	Blue	Pin 6

*UART for diagnostics | No built-in GNSS receiver

Environmental

Operating Temperature Range	-40°C to 71°C
Waterproof Rating	IP65 *Enclosed version

Safety & Compliance

RoHS Compliant

FCC Compliant

CE Compliant

Optional Connector
MR11WS06 0210 BK1 E1AP 1

Product Dimensions

Enclosed Format

OEM Format

Ordering Information

Aura —— X X – X – X X

Protected frequency:	Enclosed/ OEM	Passthrough frequency:
0 - null	E – Enclosed	0 - null
1 – GPS L1/GALILEO E1	O – AuraCore (OEM)	1 – GPS L1/GALILEO E1
2 - GPS L2		2 - GPS L2
3 - GPS L5		3 - GPS L5
4 - GLONASS G1		4 - GLONASS G1

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