

SIGN4L

GPS-PROTECT AJ200-BT



GPS-Protect uses advanced digital signal processing and array antenna technology to effectively protect user's GPS receivers from RF interference signals.

SPECIFICATIONS

USE CASE

- UAV, aircraft, vehicles, ships and guided weapon

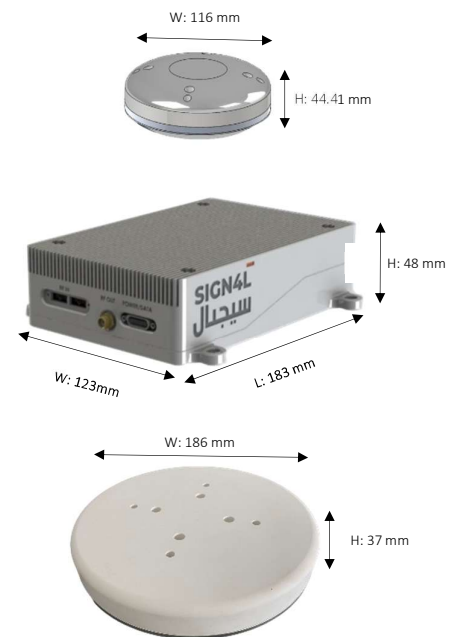
KEY FEATURES

- Designed for countering Narrow Band (NB) and Broadband (BB) jammers
- Anti-Jamming module provided in the ruggedized mechanical housing designed to withstand harsh environments
- Antenna enclosure customized to best fit specific platforms
- Works with legacy GPS receivers
- Easy installation

COMPONENTS

Equipment (Compact Antenna)	L mm	W mm	H mm	W kg
AJ200-BT Ruggedized Unit	183	123	48	1.4
Compact CRPA (Qty. 1)		116	44.41	0.4
RF Cable (Antenna to GPS-Protect unit)	500 [Ⓢ]			0.035
Equipment Total				1.835

Equipment (Standard Antenna)	L mm	W mm	H mm	W kg
AJ200-BT Ruggedized Unit	183	123	48	1.4
Standard CRPA (Qty. 1)		186	37	0.6
RF Cable (Antenna to GPS-Protect unit)	500 [Ⓢ]			0.035
Equipment Total				2.035



[Ⓢ]The length of the cable can be adjusted according to the specifications of the platform; however, it is essential to evaluate any potential impact on performance.

SPECIFICATIONS^①

GPS-PROTECT AJ200-BT	
GNSS Protection	GPS L1, L2, Galileo E1 and Beidou B1C
Single Jammer	105 dB JSR (Typical)
Several Jammers (up to three)	NB: 100 dB JSR (Typical)
	BB: 90 dB JSR (Typical)
Number of RF out channels	1
Number of Antenna array elements	4
Power Consumption	23 W (Typical)
Input Voltage Power Supply	24 VDC (nominal), 16-32 VDC (maximum range)
Weight	1.835 / 2.035 kg
Operating Temperature	-40°C ~ +70°C
Environmental	MIL-STD-461G, 810H

DEPENDENCIES

- RF cable between GPS-Protect unit and GNSS receiver to be provided by the end user
 - A RF cable with SMA Male connector on the GPS-Protect side to be used, for seamless connectivity between the GPS-Protect and the GNSS receiver on the client side.
- Power/data cable for GPS-Protect unit to be provided by the end user
 - A power cable with harness connector (M83513/01-CN) on the GPS-Protect side to be used, for seamless connectivity between the GPS-Protect and power supply.
 - Data connection (RS-422) is not mandatory, only if is requested from end user.
- The cable length recommended between GPS-Protect and CRPA Antenna should be less than 0.5m
- GPS-Protect require proper airflow to ensure efficient cooling
 - An airflow rate of 2m/s around the unit is recommended

^① All specifications provided herein are indicative values and figures, and there may be reasonable deviation from the same.