



GPS-PROTECT AJ100-BT



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

SPECIFICATIONS

USE CASE

- Mini UAV, drones, guided weapon, portable GNSS receiver with small form factor requirement

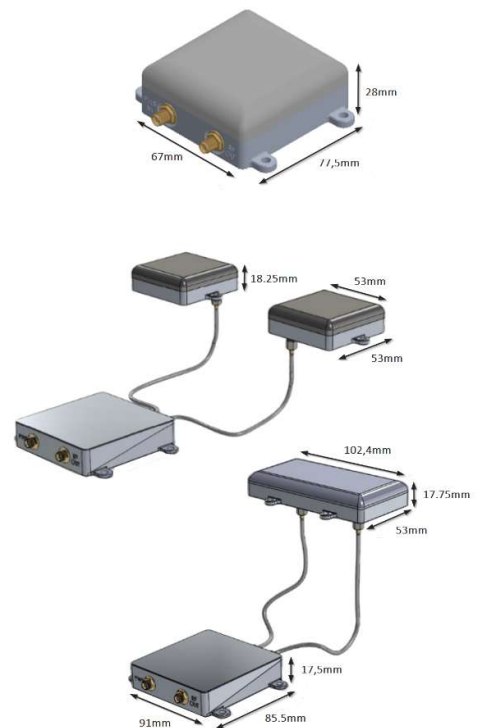
KEY FEATURES

- Designed for countering a Narrow Band (NB) and a Broadband (BB) jammer
- Compact Anti-Jamming module
- Optional antenna solution:
 - Integrated antenna on the Anti-jamming module delivers a compact and lightweight solution for little platforms (Compact AJ100)
 - Compact wired antenna to be able to place the antenna and the AJ unit in different locations inside the platform.
 - 2 independent GNSS antennas connected and installed in the best place decided by the customer giving high versatility and adaptability to any platform
- Works with legacy GNSS L1 receivers
- Powered with 12VDC through RP-SMA female connector
- Easy installation

COMPONENTS

Equipment (Integrated AJ100)	L mm	W mm	H mm	W gr
AJ100-IA-L1 Ruggedized Unit with integrated antenna	77,5	67	28	155
Equipment Total				155

Equipment (Wired AJ100)	L mm	W mm	H mm	W gr
AJ100-EA-L1 Ruggedized Unit	85,5	91	17,5	97
CRPA Antenna	102	53	17,8	100
Equipment Total				197



SPECIFICATIONS^①

GPS-PROTECT AJ100-BT	
GNSS Protection	GPS L1, Galileo E1, Beidu B1C
Single Jammer	95 dB JSR (Typical)
Number of RF out channels	1
Number of Antenna array elements	2 (external input model variant only)
Power Consumption	4 W (Typical)
Input Voltage Power Supply	12 VDC (nominal), 4-16 VDC (maximum range)
Weight	< 200 grams

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.
 - The cable length between GPS-Protect and GNSS receiver recommended is less than 2m.
- The Power to the GPS-Protect is given through one RP-SMA Female connector the cable between SMA and power supply should be provided by the end user
- The cable length recommended between GPS-Protect and CRPA Antenna should be less than 1m

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