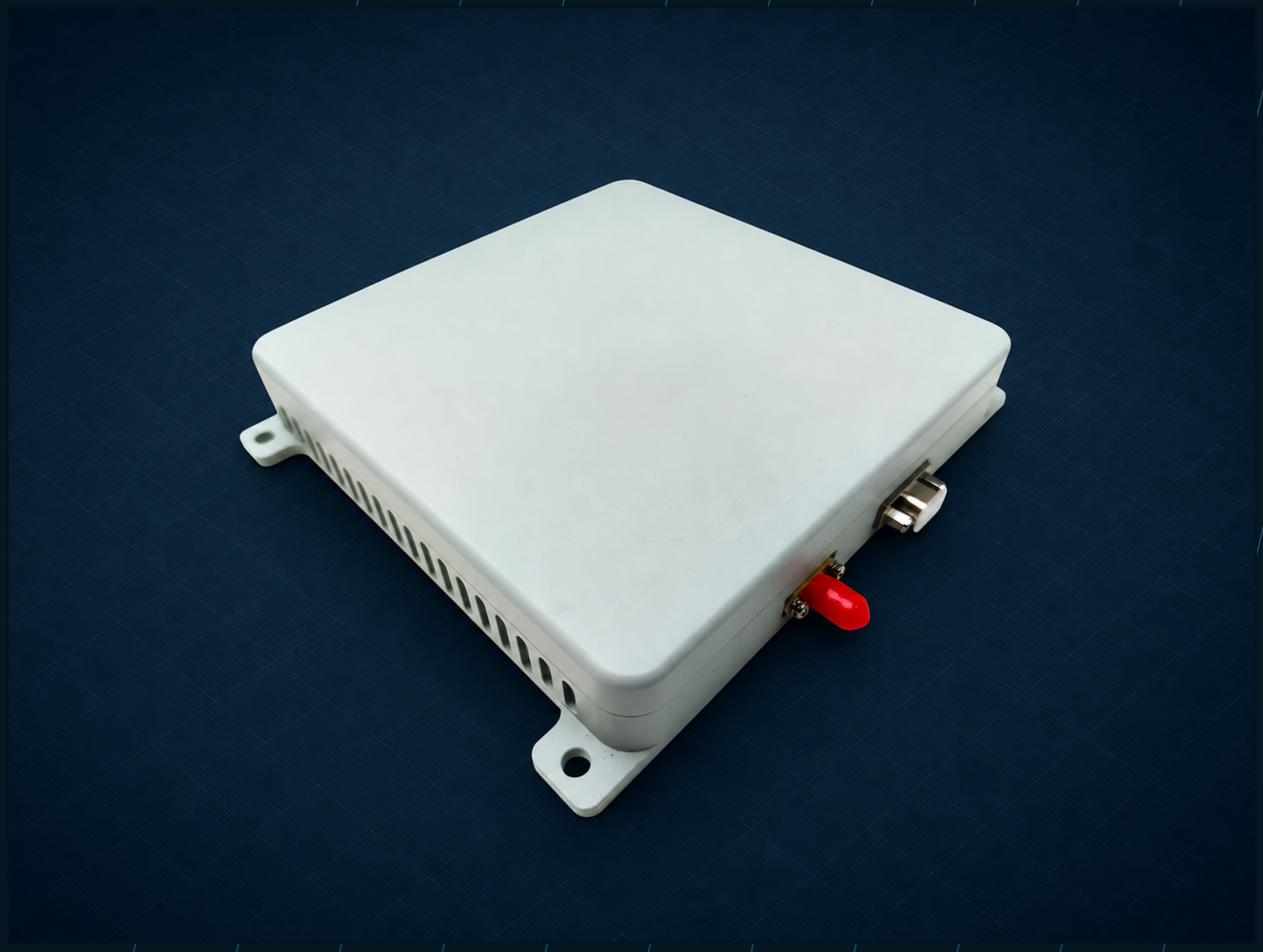
PRODUCT DATASHEET

RN2501-AJS-4CH-DPA

4-Element GNSS Anti-Jamming and Anti-Spoofing Terminal

A documented independent anti-jamming and anti-spoofing product version for receiver and platform integration. Product selection and final configuration remain subject to engineering review.



ResiNav supplies GNSS anti-jamming terminals and combined anti-jamming and anti-spoofing products for integration projects.

A focused product reference for GNSS integration

RN2501-AJS-4CH-DPA is a independent anti-jamming and anti-spoofing product version designed for receiver and platform integration. It provides published configuration information for engineering teams comparing signal requirements, installation constraints and navigation interfaces.

DOCUMENTED CONFIGURATION	ENGINEERING REVIEW
Constellations BeiDou; GPS **Frequency bands** BDS B1; GPS L1 **Element count** 4 **Channel count** 4	Confirm receiver architecture, required bands, mounting position, available space, cable routing, power path and platform interface before selecting a candidate configuration.

Integration context

Engineering teams should treat the antenna, receiver, platform, power and data interfaces as one system boundary. The final configuration should be confirmed against the target receiver and installation environment rather than inferred from a generic product category.

Typical review inputs: receiver model; required constellations and bands; interface and cable constraints; mounting arrangement; available installation space; power requirements; platform operating context; quantity and schedule.

Published technical parameters

Supported constellations	BeiDou; GPS
Frequency bands	BDS B1; GPS L1
Element count	4
Channel count	4
Anti-jamming capability	Greater than or equal to 105 dBc with 1 interferer; greater than or equal to 95 dBc with 3 interferers
Anti-spoofing product version	Independent anti-spoofing product version; residual spoofing signal C/N0: less than or equal to 20 dB
Interference types	Narrowband high-power interference; wideband spectrum-matched interference; pulse interference; swept-frequency interference; mixed interference
Coverage and orientation	Azimuth: 0 to 360 degrees; elevation: -90 to 90 degrees

Mechanical and electrical

Power consumption	Less than or equal to 13 W at normal temperature
Dimensions	150 x 130 x 22 mm
Weight	Less than or equal to 520 g

RF output

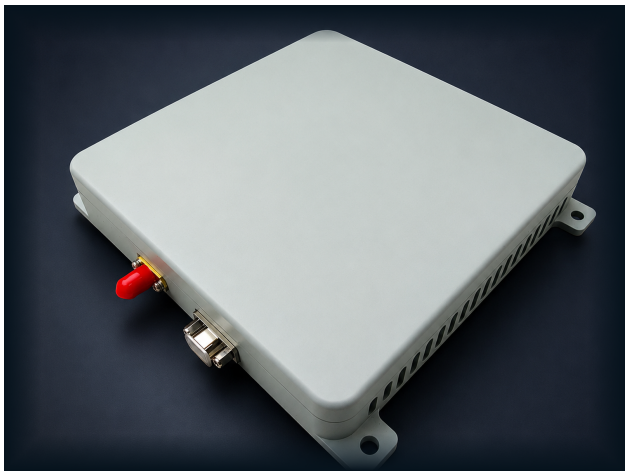
RF output frequency	1561.098 MHz; 1575.42 MHz
RF output power	-70 to -60 dBm
RF output impedance	50 ohm

03 / ENGINEERING HANDOFF

Information for a productive configuration review

RECEIVER AND SIGNAL	INSTALLATION AND PLATFORM
Provide receiver model, required constellations, frequency bands, channel requirements and intended navigation outputs.	Provide platform role, mounting location, available clearance, cable route, connector and power constraints, operating environment, quantity and schedule.

Product illustration



Company contact

Shenzhen ResiNav Co., Ltd.
Email: Neil@resinav.com
WhatsApp: +86 135 1001 3379
Website: https://resinav.com/

Important: This datasheet is an engineering reference based on the published product record. It is not a certification, test report, customer deployment statement or guarantee of final platform suitability. Product configuration remains subject to engineering review.