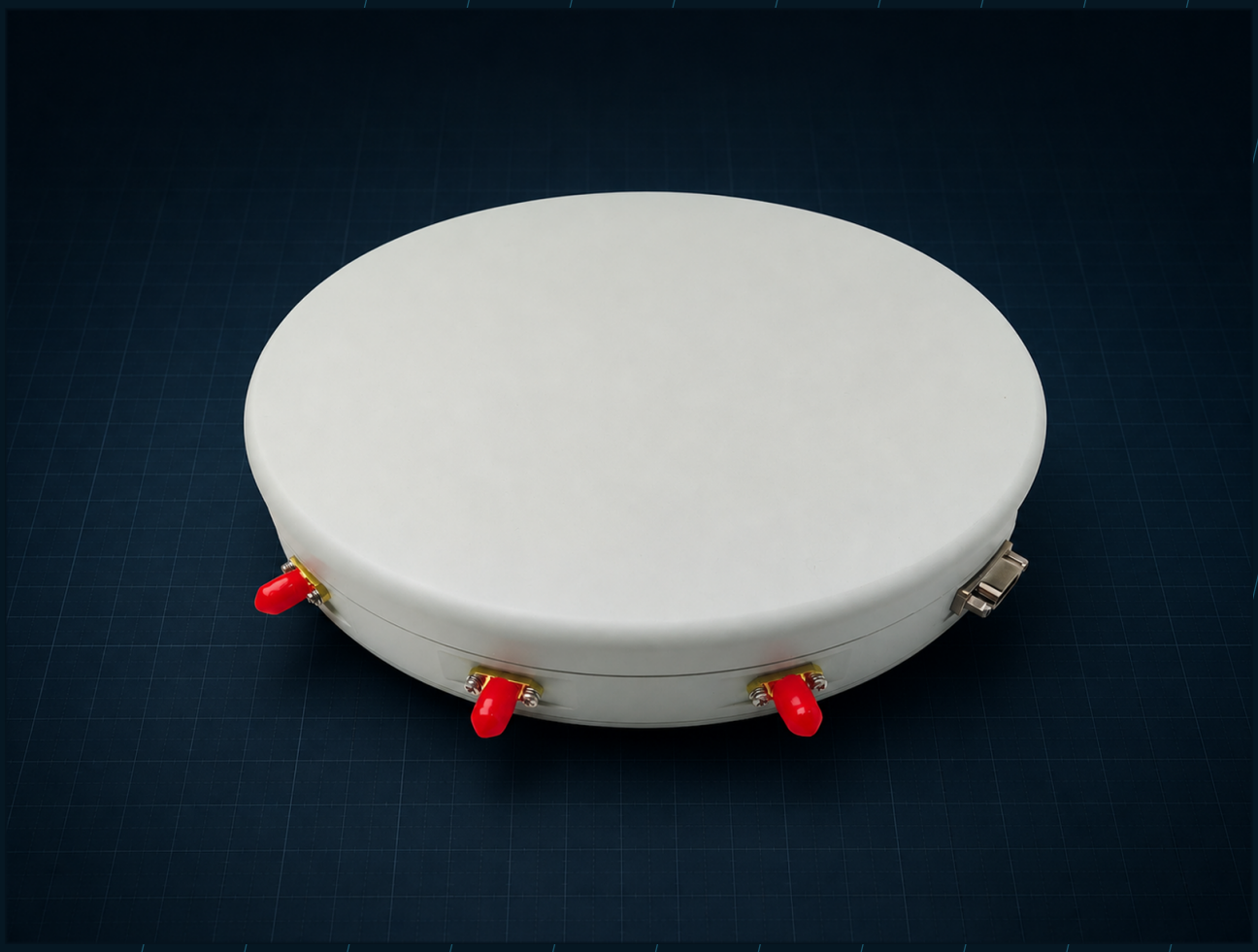
PRODUCT DATASHEET

RN2504-3T7A21C-WG-DT

7-Element Multi-Constellation GNSS Anti-Jamming Terminal

A documented gnss anti-jamming terminal for receiver and platform integration. Product selection and final configuration remain subject to engineering review.



ResiNav supplies products under its own brand for GNSS anti-jamming integration projects, including anti-jamming terminals and combined anti-jamming and anti-spoofing versions.

01 / PRODUCT OVERVIEW

A focused product reference for GNSS integration

RN2504-3T7A21C-WG-DT is a gnss anti-jamming terminal 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; GLONASS; Galileo **Frequency bands** BDS B1; GPS L1; GLONASS G1; Galileo E1 **Element count** 7	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; GLONASS; Galileo
Frequency bands	BDS B1; GPS L1; GLONASS G1; Galileo E1
Element count	7
Anti-jamming capability	Greater than or equal to 120 dBc with 1 interferer; greater than or equal to 110 dBc with 3 interferers; greater than or equal to 100 dBc with 6 interferers
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 25 W at normal temperature
Dimensions	Diameter 220 x 29.5 mm
Weight	Less than or equal to 1200 g

RF output

RF output frequency	1561.098 MHz; 1575.42 MHz; 1602 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



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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.