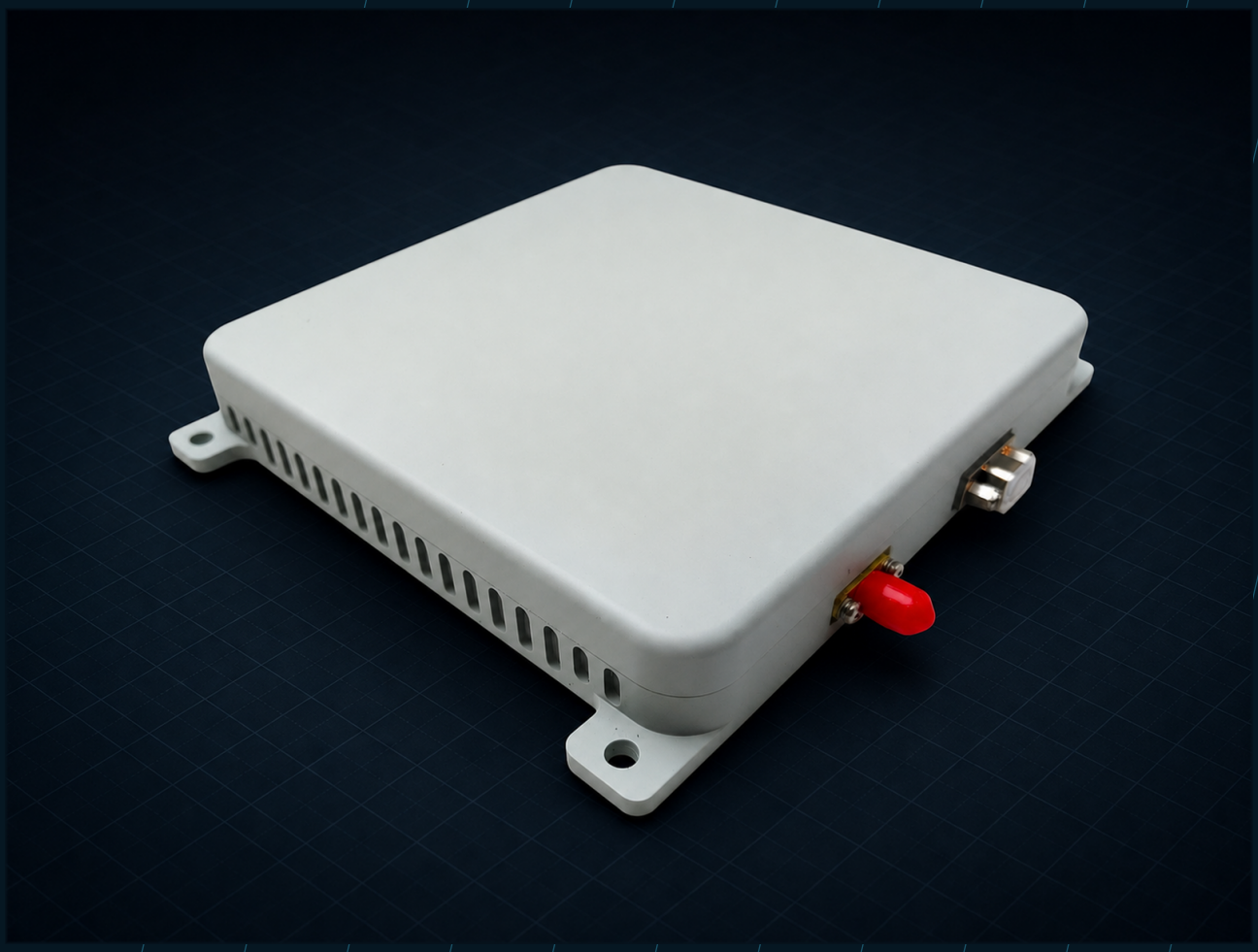
PRODUCT DATASHEET

# RN-009Pro-8CH-G1-WG-DT

Compact 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

RN-009Pro-8CH-G1-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**<br>BeiDou; GPS; GLONASS<br><br>**Frequency bands**<br>BDS B1; GPS L1; GLONASS G1<br><br>**Element count**<br>4<br><br>**Channel count**<br>8 | 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 |
| **Frequency bands** | BDS B1; GPS L1; GLONASS G1 |
| **Element count** | 4 |
| **Channel count** | 8 |
| **Anti-jamming capability** | Greater than or equal to 105 dBc with 1 interferer; greater than or equal to 95 dBc with 3 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 12 W at normal temperature |
| **Dimensions** | 150 x 130 x 21 mm |
| **Weight** | Less than or equal to 400 g |

## RF output

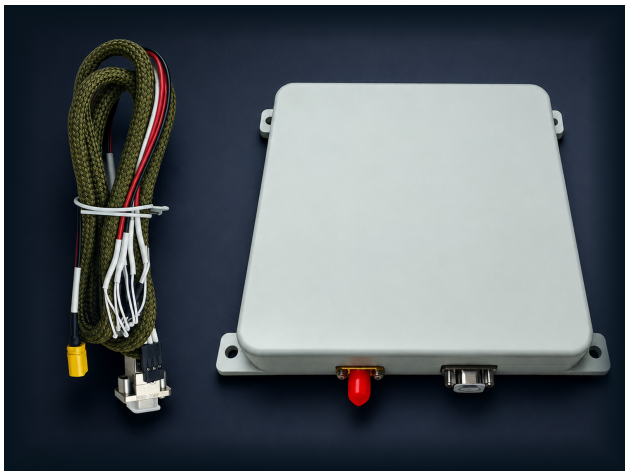
| | |
|---|---|
| **RF output frequency** | 1561.098 MHz; 1575.42 MHz; 1602 MHz |
| **RF output power** | -70 to -60 dBm |
| **RF output impedance** | 50 ohm |

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



## Company contact

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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.