

GNSS Anti-Jamming Products

A product-reference catalog for commercial and industrial platform integration

Eight published ResiNav configurations for engineering comparison. Detailed parameters, interfaces and final configuration remain subject to product-record verification and engineering review.



Shenzhen ResiNav Co., Ltd. develops and manufactures GNSS anti-jamming antennas, terminals and navigation system solutions for commercial and industrial platform integration.

A documented range for GNSS integration

This catalog helps teams begin a product comparison. Element count, constellation coverage and published form factor are useful reference points; final suitability must be confirmed against receiver architecture, installation conditions, interfaces, power and platform requirements.

PRODUCT FAMILY	DOCUMENTED RANGE	ENGINEERING USE
Anti-jamming terminals	4, 7, 8 and 16 element configurations; published signal, array, mechanical, electrical and RF-output information.	Compare candidate configurations with receiver, installation and platform requirements.
Independent anti-jamming and anti-spoofing product versions	4 and 16 element published product versions with documented product records.	Review configuration and interface assumptions before selection.

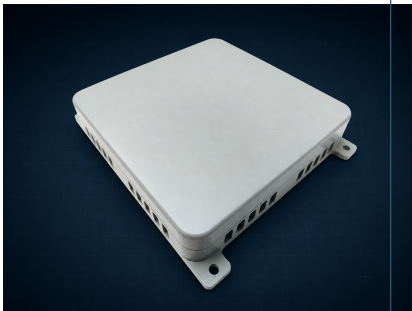
Selection path

1. Define receiver and signal requirements. 2. Compare published configurations. 3. Review mounting, power, cable and platform interfaces. 4. Provide the required information for a focused engineering review.

This catalog does not represent customer deployments, certifications, test reports or a guarantee of final platform suitability.

RN-009Pro-8CH-BD-WG-DT

Compact GNSS Anti-Jamming Terminal

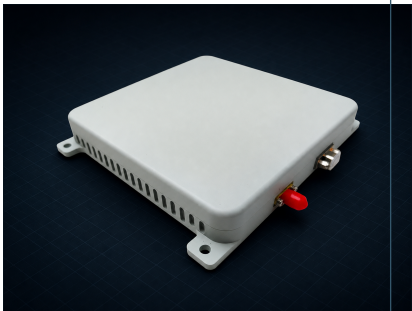


Product family	Anti-jamming terminal
Supported constellations	BeiDou; GPS
Frequency bands	Not published in the current product record
Element count	4
Channel count	8
Anti-jamming capability	Greater than or equal to 105 dBc with 1 interferer; greater than or equal to 95 dBc with 3 interferers
Interference 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
Power consumption	Less than or equal to 17 W
Dimensions	150 x 130 x 26.5 mm
Weight	Less than or equal to 500 g
RF output frequency	1575.42 MHz; 1268.52 MHz
RF output power	-70 to -60 dBm
RF output impedance	50 ohm

Published parameters are provided for engineering reference. Final configuration remains subject to receiver, installation and platform review.

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

Compact Multi-Constellation GNSS Anti-Jamming Terminal



Product family	Anti-jamming terminal
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
Power consumption	Less than or equal to 12 W
Dimensions	150 x 130 x 21 mm
Weight	Less than or equal to 400 g
RF output frequency	1561.098 MHz; 1575.42 MHz; 1602 MHz
RF output power	-70 to -60 dBm
RF output impedance	50 ohm

Published parameters are provided for engineering reference. Final configuration remains subject to receiver, installation and platform review.

RN-8AT-FULL-KGR-34V

8-Element Multi-Constellation GNSS Anti-Jamming Terminal

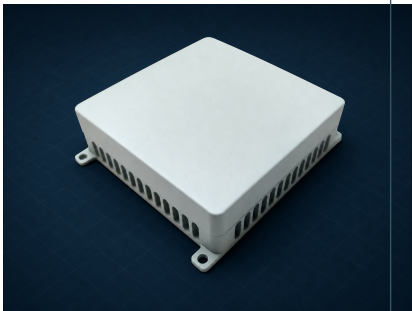


Product family	Anti-jamming terminal
Supported constellations	GPS; GLONASS
Frequency bands	GPS L1; GLONASS G1
Element count	8
Channel count	Not published in the current product record
Anti-jamming capability	Greater than or equal to 110 dBc with 1 interferer; greater than or equal to 100 dBc with 3 interferers; greater than or equal to 90 dBc with 7 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
Power consumption	Less than or equal to 19 W
Dimensions	150 x 150 x 22.5 mm
Weight	Less than or equal to 720 g
RF output frequency	1575.42 MHz; 1602 MHz
RF output power	-70 to -60 dBm
RF output impedance	50 ohm

Published parameters are provided for engineering reference. Final configuration remains subject to receiver, installation and platform review.

RN-S65-4CH-SNB

Compact 4-Element GNSS Anti-Jamming Terminal

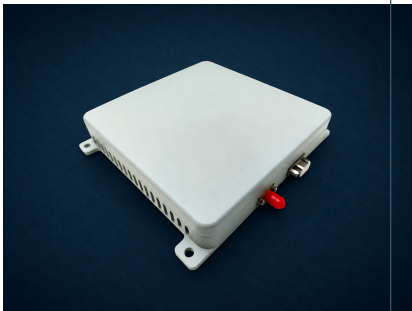


Product family	Anti-jamming terminal
Supported constellations	GPS; BeiDou
Frequency bands	GPS L1; BDS B1
Element count	4
Channel count	4
Anti-jamming capability	Greater than or equal to 95 dBc with 1 interferer; greater than or equal to 85 dBc with 2 interferers; greater than or equal to 80 dBc with 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
Power consumption	Less than or equal to 6 W
Dimensions	65 x 65 x 21 mm
Weight	Less than or equal to 130 g
RF output frequency	1575.42 MHz; 1561.098 MHz
RF output power	-75 to -85 dBm
RF output impedance	50 ohm

Published parameters are provided for engineering reference. Final configuration remains subject to receiver, installation and platform review.

RN2501-AJS-4CH-DPA

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



Product family	Independent anti-jamming and anti-spoofing product version
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
Power consumption	Less than or equal to 13 W
Dimensions	150 x 130 x 22 mm
Weight	Less than or equal to 520 g
RF output frequency	1561.098 MHz; 1575.42 MHz
RF output power	-70 to -60 dBm
RF output impedance	50 ohm

Published parameters are provided for engineering reference. Final configuration remains subject to receiver, installation and platform review.

RN2504-3T7A21C-WG-DT

7-Element Multi-Constellation GNSS Anti-Jamming Terminal



Product family	Anti-jamming terminal
Supported constellations	BeiDou; GPS; GLONASS; Galileo
Frequency bands	BDS B1; GPS L1; GLONASS G1; Galileo E1
Element count	7
Channel count	Not published in the current product record
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
Power consumption	Less than or equal to 25 W
Dimensions	Diameter 220 x 29.5 mm
Weight	Less than or equal to 1200 g
RF output frequency	1561.098 MHz; 1575.42 MHz; 1602 MHz
RF output power	-70 to -60 dBm
RF output impedance	50 ohm

Published parameters are provided for engineering reference. Final configuration remains subject to receiver, installation and platform review.

RN2511-16A-SNB

16-Element Multi-Constellation GNSS Anti-Jamming Terminal

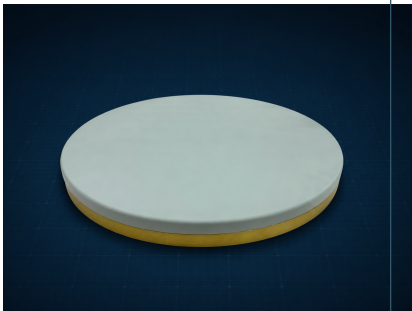


Product family	Anti-jamming terminal
Supported constellations	GPS; Galileo; BeiDou
Frequency bands	GPS L1; Galileo E1; BDS B1
Element count	16
Channel count	16
Anti-jamming capability	Greater than or equal to 100 dBc with 1 interferer; greater than or equal to 85 dBc with 7 interferers; greater than or equal to 70 dBc with 15 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
Power consumption	Less than or equal to 25 W
Dimensions	230 x 230 x 24 mm
Weight	Less than or equal to 1250 g
RF output frequency	1561.098 MHz; 1575.42 MHz
RF output power	-70 to -60 dBm
RF output impedance	50 ohm

Published parameters are provided for engineering reference. Final configuration remains subject to receiver, installation and platform review.

RN2512-AJS-16CH-DPA

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



Product family	Independent anti-jamming and anti-spoofing product version
Supported constellations	BeiDou; GPS
Frequency bands	BDS B1; GPS L1
Element count	16
Channel count	16
Anti-jamming capability	Greater than or equal to 120 dBc with 1 interferer; greater than or equal to 105 dBc with 7 interferers; greater than or equal to 95 dBc with 15 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
Power consumption	Less than or equal to 40 W
Dimensions	Diameter 370 x 28.7 mm
Weight	Less than or equal to 2600 g
RF output frequency	1561.098 MHz; 1575.42 MHz
RF output power	-70 to -60 dBm
RF output impedance	50 ohm

Published parameters are provided for engineering reference. Final configuration remains subject to receiver, installation and platform review.

Move from catalogue comparison to an engineering review

For a productive product discussion, provide the platform role, receiver model, required constellations and bands, interface requirements, mounting and cable constraints, power information, operating environment, quantity and schedule.

PREPARE BEFORE CONTACT	DOCUMENTATION ROUTE
Receiver model and GNSS requirements Platform role and installation location Interface, cable and power information Quantity and delivery timing	Use this catalog for portfolio comparison. Use the individual product datasheet for full published parameters. Request controlled or project-specific information only after engineering review.

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