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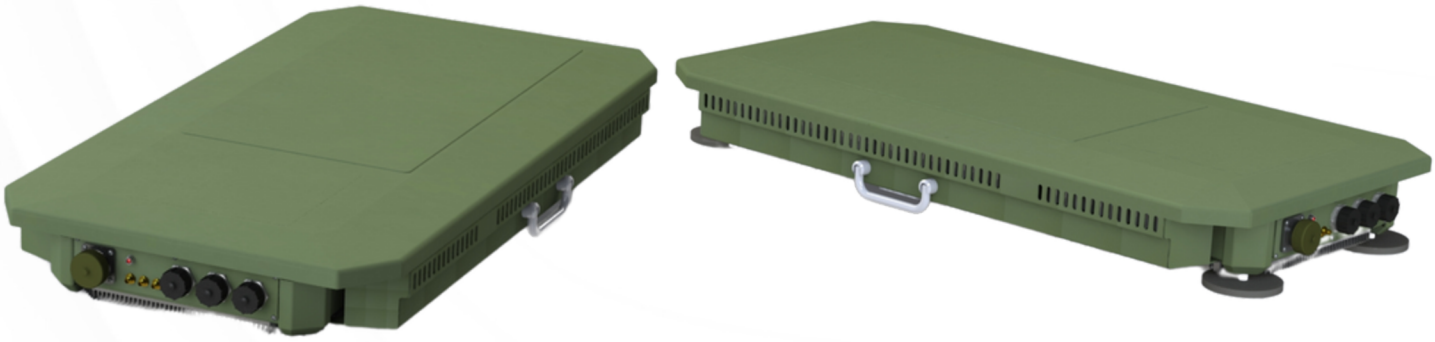
At The Forefront Of Communications Technology

RESA L Ka



RESA - Requtech Electronically Scanned Antenna
Fully integrated Multi-Orbit (LEO/MEO/GEO) satellite terminal for mobility

Fully integrated SATCOM terminal

Lightweight

Instantaneous connection for rapid deployment in the harshest conditions

RESA L Ka is a fully integrated **Electronically scanned array** antenna terminal for **LEO**, **MEO** or **GEO** constellations for **on-the-move** and **on-the-pause** applications. This ruggedized terminal is **MIL-STD** designed with Field replaceable fan bays for all-weather **IP66 operations** for high reliability and high throughput with efficient acquisition and tracking algorithms. The fully electronically steered solution results in the **lowest Size, Weight, and Power for Maximum Performance.**

RESA series supports Marine, Vehicle & Portable applications

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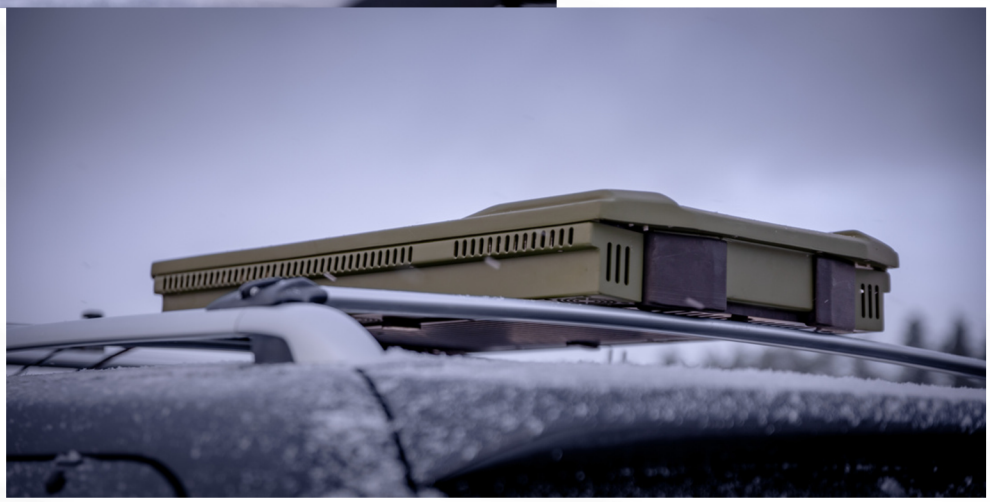
Made by Sweden: Reliability and Innovation in Challenging Environments

TECHNICAL DETAILS

RF PERFORMANCE	
TX Frequency	27.5-31.0 GHz
RX Frequency	17.7-21.2 GHz
G/T (boresight)	13 dB/K
Linear EIRP (boresight)	48 dBW
Polarity	Circular (electronically switched)
Tx XPD	25 dB
Rx XPD	25 dB
ELECTRONIC SCANNING SPECIFICATIONS	
Tracking error	< 0.05 dB
Beam update rate	100 Hz
Pointing Accuracy	0.1°
Azimuth adjustment	360° with a pointing step size of 0.1°
Elevation adjustment	10° to 90°

ELECTRICAL SPECIFICATIONS	
Supply voltage	24V
Power consumption(typical)	500W
INTERFACES	
DC Power	MIL-DTL-5015 (2-pin)
Ethernet	3xRJ45
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	-20° to +60°C / -5° to +140°F
Storage Temperature	-40° to +70°C / -40° to +160°F
Ingress Protection	IP66
WEIGHT AND DIMENSIONS	
Dimensions	L81xW45xH11 cm
Terminal Weight	27 kg



Requtech AB, based in Linköping, Sweden, is at the forefront of satellite communication technology. We specialize in developing high-performance, reliable satellite communication systems. Our mission is to revolutionize communication capabilities, enhancing global connectivity through innovative solutions.

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