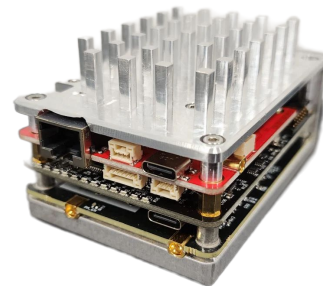


Rampart StrataWave™ UAS Radio

LPD Command and Control (C2) Radio



Designed from the ground up for EW-contested environments, with purpose-built waveforms to **avoid detection**, **frequency agility** to operate outside conventional spectrum, **industry-leading range**, and new form factors with reduced size and weight, StrataWave is the resilient solution to extend your operations further into the most challenging environments.



Specifications

Target Platforms:	Groups 2 & 3
Dimensions:	4.4" x 2.32" x 1.94" (w. heatsink)
Weight:	450g / 1lb
I/O:	Ethernet & UART
Frequency Range:	250 - 1300 MHz, 2.4GHz
Occupied BW:	Up to 40 MHz
Operating Modes:	Point-to-Point: 2-chan FDD Mesh: 2-chan TDD & 1-chan TDD (single or dual ant.)
Effective Range:	Tested up to 80 km Simulated over 100 km
Data Rate:	Up to 1 Mbps (FDD)
Security:	256-bit Physical Layer Encryption

Why Fight Jammers?

Rampart's StrataWave™ UAS Radio uses minimum power and noise-like waveforms to reduce or eliminate detection by reactive jamming threats. Using advanced LPD and signature management techniques based on Rampart's novel physical layer encryption, StrataWave is designed to disrupt the adversary EW kill chain before jammers even become active.

Where detection is unavoidable or jamming is persistent, StrataWave is also designed for resilience, both to withstand and operate through in-band interference and to instantly re-establish communications after any temporary loss of connectivity, all without depending on GPS or other PNT.

The following notice applies to the sale, lease or offer of this device other than for use by the United States Government or for export. This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained. Please contact Rampart Communications for questions about the FCC approval status or requirements that pertain to this device. Exported devices are subject to the laws of the countries into which they are exported.

About Rampart

Rampart Communications, Inc. is a privately held technology company founded by U.S. Intelligence Community alumni to fundamentally enhance the security, reliability, and capacity of communication systems. Headquartered in Linthicum Heights, MD, Rampart has received technical and operational validations from MITRE, Navy Research Lab, Army DEVCOM Lab, USSOCOM and other National Security entities.