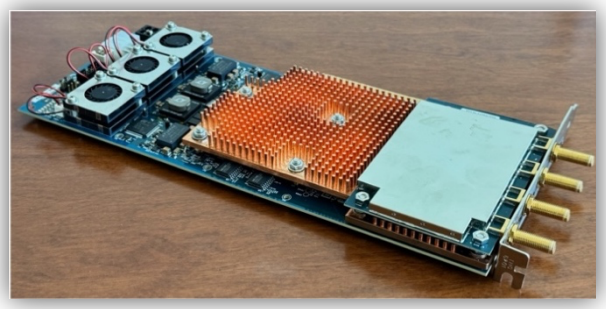
FOR IMMEDIATE RELEASE

OneRadio Corporation Launches OneRadio 2.0 System: A Modular Wideband High Dynamic Range Receiver System Built for Spectrum Superiority, C-UAS, and AI

Powered by the All-New OneRadio 2.0 Receiver Module, capable of up to 18 GHz

Seattle, WA — August 2025 — OneRadio Corporation, a leader in high-performance RF (radio frequency) systems and passive radar innovation, today announced the release of the **OneRadio 2.0 System**, a fully integrated wideband high dynamic range receiver system engineered for the next generation of **spectrum sensing**, **electronic warfare**, and **Artificial Intelligence/Machine Learning** (AI/ML)**-enabled RF applications**.



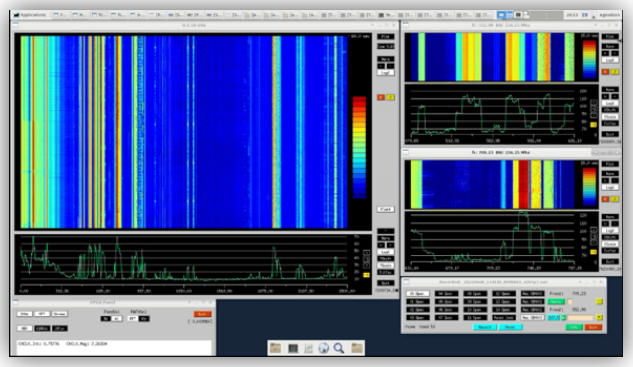
OneRadio 2.0 Receiver Module

At the core of the system is the **OneRadio 2.0 Receiver Module**, a high-performance PCIe card designed around a modular daughter card architecture. This enables OneRadio to cost-effectively offer both base and premium configurations from a common design, a manufacturing and logistics advantage that's directly reflected in price and availability for customers.

The OneRadio 2.0 System comprises a robust server chassis pre-integrated with the OneRadio 2.0 Receiver Module, compute hardware, and optimized power and cooling support. This deployable platform facilitates a diverse array of real-time RF missions, encompassing spectrum access and wideband signal collection, passive radar, and counter-UAS surveillance. Additionally, its signal sensing and compute hardware enable a new generation of situational awareness applications and edge-deployed AI/ML pipelines for RF analytics. Designed to be mission-ready from day one, the system is suitable for use in laboratory environments, tactical deployments, and mobile integration scenarios.

The embedded OneRadio 2.0 Receiver Module features a swappable daughter card architecture that isolates the analog frontend from the digital processing logic. This enables OneRadio to maintain a consistent digital platform while rapidly offering new frequency options without requiring redesign or duplication of the entire receiver.

Two configurations at launch:



OneRadio 2.0 System Graphical User Interface (GUI)

<u>Base (Available Now)</u>

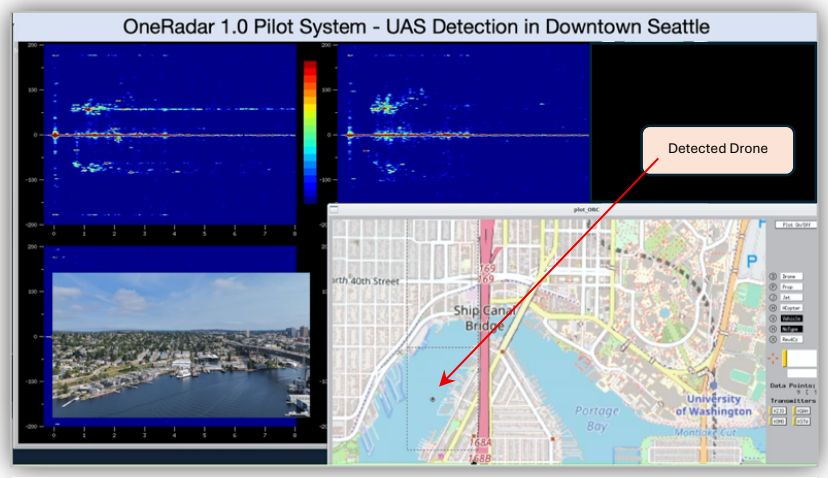
- Frequency Range: 0–2.5 GHz
- Instantaneous Bandwidth: 2.5 GHz
- Sensitivity: –195 dBW/Hz
- GUI with support for 4 zoom windows
- Real-time recording of contiguous or non-contiguous 625 MHz of I/Q data
- APIs and sample code to interface with the Nvidia GPU for app development

Premium (Coming in Q4 2025)

- Frequency Range: 0–18 GHz
- Instantaneous Bandwidth: 2.5 GHz
- Maintains all other features of the Base Configuration

OneRadar (Pilot): Passive Radar for Drone Detection

The **OneRadar** is a complete solution based on the OneRadio 2.0 System. A passive radar solution for drone detection, OneRadar leverages the receiver's wideband coverage, dynamic range, and linearity to provide real-time tracking of non-cooperative aerial targets without emitting any RF. It is targeted solely at the Defense markets with commercial implementations available in 2026. OneRadar's unique capabilities include:



OneRadar Bistatic Radar and DOAM Display

- Operates covertly with no emissions
- Single-system modular architecture, which eliminates the complexity of multi-sensor deployments
- A man-portable system deployable in minutes
- Proven performance in urban, rural, and austere environments for different classes of drones
- Integrates well into the Common Operation Picture (COP)

The OneRadar pilot kit is fully operational and ready for deployment. It includes the OneRadio 2.0 System, a passive radar application, and a tripod equipped with a telescopic pole and antennas.

Team Feedback

Shih-Tang Cheng, Chief Performance Officer:
"This system reflects the best performance tuning we've ever achieved. OneRadio 2.0 sets a new bar for what's possible with wideband, high dynamic range sensing."

David Miller, Hardware Architect:
"The modular and compact architecture gives us the flexibility to rapidly pivot our RF solution to meet the evolving needs of the warfighter, intelligence community, and advanced R&D laboratories."

Melanie Anderson, Chief AI Scientist:
"OneRadio's exceptional bandwidth and linearity enable us to unlock the full potential of AI/ML, driving breakthroughs in spectrum classification, anomaly detection, and signal prediction."

Sanjana Satagopan, University of Washington Intern:
"OneRadar's Mission Planning software is remarkably user-friendly, which will enable warfighters to swiftly deploy OneRadar within minutes."

Tony Goodson, Chief Engineer:
"OneRadar showcases exactly what this system was built for. Our unique implementation of passive radar demands extreme linearity, dynamic range, and bandwidth; and that's exactly what OneRadio delivers."

Who It's Built For

The OneRadio 2.0 System is specifically designed to enhance the capabilities of DoD programs in RF situational awareness and tactical electronic warfare. Additionally, it is well-suited for National Laboratories, university researchers, and commercial innovators engaged in wideband RF experiments, machine learning models, and the development of next-generation spectrum applications.

The OneRadar is targeted at DoD's counter-UAS initiatives, particularly in safeguarding assets within forward bases and the continental United States.

This launch presents opportunities for collaborative partnerships across the ecosystem to deploy compelling applications tailored to diverse missions utilizing OneRadio's solutions.

Availability & Ordering

OneRadio 2.0 Base configuration is priced at $49,500 and is now available for order. The Premium configuration will be available for order in Q4 2025.

For pricing and availability information on OneRadar pilot installations, please contact OneRadio.

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