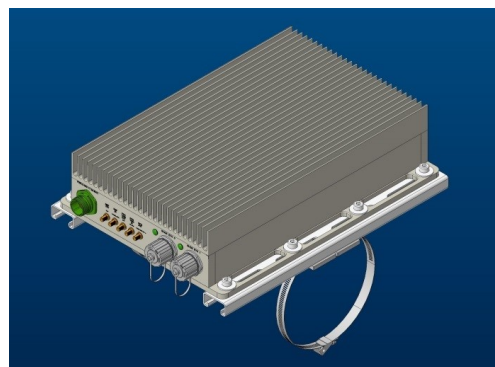
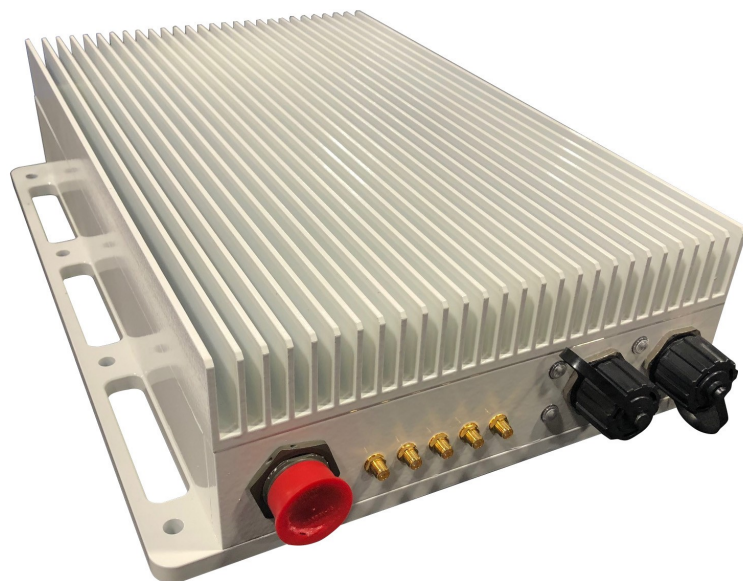


# Ruggedized and Weatherproof SDR Platforms

## RX310



## KEY FEATURES

- Ruggedized version of National Instruments (Ettus Research brand) X310 Series Software Defined Radio
- 302mm wide x 400mm long x 98mm tall
- Conduction-cooled construction designed to meet MIL 810 for shock/vibration and MIL 461 for EMI
- IP67 weatherproof sealed unit
- Other similar National Instruments (NI) small form factor SDR versions are available upon request
- Customizable I/O options
- Pole-mount and other mounting options available
- Contact Pixus for ruggedization options for other NI SDRs

The Pixus Technologies RX310 is a ruggedized version of National Instruments (Ettus Research brand) X310 Software Defined Radio. Working with NI, Pixus redesigns the commercial version of the product to create a hardened, sealed, conduction-cooled unit to meet IP67 and MIL-STD specifications.

The NI hardware architecture combines two extended bandwidth daughterboard slots covering DC – 6 GHz with up to 120 MHz of baseband bandwidth, multiple high-speed interface options (PCIe, Dual 1/10 GigE), and a large user-programmable Kintex-7 FPGA. The RX310 series can be used in various types of airborne, shipboard, ground vehicle, or outdoor designs. Example applications include SIG-INT, passive RADAR, and prototyping systems for advanced wireless (WiFi/Cell/MIMO).

**Contact Pixus for ruggedization inquiries for other SDRs from NI.** Visit [www.ettusresearch.com](http://www.ettusresearch.com) for SDR specifications.