Company Contact: Justin Moll , Pixus Technologies Justin.moll@pixustechnologies.com 519-885-5775

New Rugged Enclosure Systems for NI Software Defined Radios Pass MIL Qualification Testing

Waterloo, Ontario — Nov 4, 2024 – Pixus Technologies, a provider of embedded computing and enclosure solutions, has announced that their RX410 ruggedized NI (Ettus Research brand) USRP Software Defined Radios (SDRs) have passed MIL qualification testing.

The product family of Pixus ruggedized NI SDRs come in three styles: semi-rugged air cooled with superior front to rear cooling, IP67 weatherproof in a conduction-cooled format, and full MIL rugged. The MIL rugged version has options for an internal heater and/or military grade fan that cools the external conduction-cooled fins in order to achieve extended temperature ranges.

The RX410 went through several qualification tests, including MIL-STD-810 shock/vibration, humidity, temperature, altitude, and explosive atmosphere tests. The unit also passed the MIL-STD-461 tests for EMI. The full line of Pixus MIL rugged SDRs share the same design approach.

Pixus also offers the NI B210, N310, X310, and other SDRs in IP67 weatherproof and MIL rugged formations. The company also provides small form factor (SFF) customized designs per customer's specifications as well as VITA standard architectures.

About Pixus Technologies

Leveraging over 20 years of innovative standard products, the Pixus team is comprised of industry experts in electronics packaging. Founded in 2009 by senior management from Kaparel Corporation, a Rittal company, Pixus Technologies' embedded backplanes and systems are focused primarily on ATCA, OpenVPX, MicroTCA, and custom designs.   Pixus also has an extensive offering of VME-based and cPCI-based solutions. In May 2011, Pixus Technologies became the sole authorized North and South American supplier of the electronic packaging products previously offered by Kaparel Corporation and Rittal.