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New 10U RiCool Chassis from Pixus Supports Redundant Rear Pluggable Power Supplies

Waterloo, Ontario — Oct 11, 2022 – Pixus Technologies, a provider of embedded computing and enclosure solutions, has a new 10U RiCool chassis that supports single, dual, or N+1 redundant power suppliers that plug in from the rear of the enclosure.

The 10U RiCool chassis features a 6U OpenVPX or SOSA aligned backplane in up to 16 slots at 1.0” pitch and speeds to 100GbE. The enclosure is extra deep to allow rear pluggable power supplies. This additional space also allows RF devices or other modules to fit within the rear of the chassis. The enclosure also supports a pluggable SOSA aligned chassis manager or a rear mezzanine approach that fits behind the backplane without taking up any slot space.

Each of the two reverse impeller blowers support 191 CFM (cubic feet per minute) of airflow for a powerful cooling solution in a front-to-rear airflow configuration. The highly efficient and hot-swappable fans typically run under 59 db. Various I/O and power options are available, along with optical or RF interfaces through the backplane.

Pixus offers OpenVPX and SOSA aligned chassis in commercial grade and MIL rugged formats. The company also has options for other VITA and PICMG based standards such as VME, CompactPCI Serial, SpaceVPX, xTCA, and more.

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.