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New OpenVPX Backplanes Supporting SOSA Slot Profiles

Waterloo, Ontario — Oct 05 2023– Pixus Technologies, a provider of embedded computing and enclosure solutions, has developed several new 3U and 6U OpenVPX backplanes with multiple slot profile configuration that align with the SOSA™ Technical Standard.

The Pixus backplane designs come in 5 to 16 slot configurations with various combinations of SOSA aligned slot profiles. The 3U size is the more common, along with the backplane speed of 100GbE (typically 4 lanes x 25 Gbaud/s). The slot profiles have multiple configurations of routing options for compute intensive, SBC, timing, switching, and peripheral boards. The Pixus backplanes often include interfaces for the company's rear pluggable mezzanine-based SOSA aligned hardware chassis management card.

Pixus also offers SOSA aligned enclosure solutions, including MIL rugged rackmount and ATR format designs. Other backplanes, chassis, and specialty boards are available in other MOSA (Modular Open Systems Architecture) and customized versions.

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.