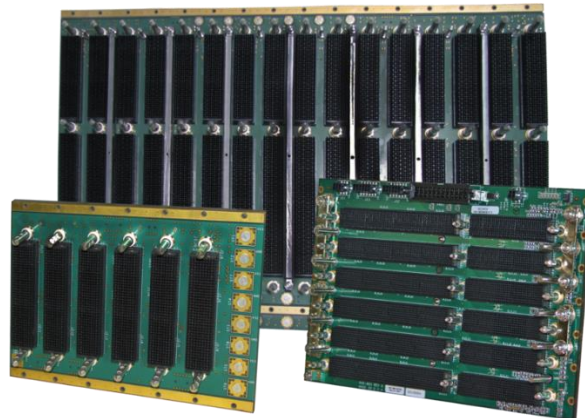


### **ATRENNE COMPUTING SOLUTIONS INTRODUCES INDUSTRY-FIRST GEN-4/5 OPENVPX™ BACKPLANES**

DESIGNED FOR TRUE SIGNAL INTEGRITY UP TO 25 GBAUD PERFORMANCE

**Brockton, MA. – September 15, 2021** [\*Atrenne, A Celestica Company\*](#) (TSX:CLS) (NYSE:CLS) today announced the launch of a new series of Gen-4/5 OpenVPX backplanes. This series is part of Atrenne’s innovative product family that enables end-to-end solutions for 64/100 Gigabit systems. Atrenne Computing Solutions offers a wide range of standard and custom, high-performance backplanes, including 3U, 6U and hybrid 3U/6U models.



Atrenne’s Gen-4/5 OpenVPX backplanes are designed to the demanding signal integrity requirements of PCIe Gen4 and 100GbE (100GBASE-KR4) and offer the highest signal integrity (SI) in the industry. By utilizing full three dimensional electron microscopy (3D EM) field modeling in HFSS™ to develop highly accurate SI models, areas such as return loss, dielectric loss, skin effect loss and crosstalk have been stabilized in the backplane design. This is a significant advancement in high volume throughput computing.

“As sensor inputs and signal processing demands increase, so do the data rates of serial switched fabric protocols used for OpenVPX slot-to-slot interconnect planes,” said Jim Tierney, Vice President Defense and Aerospace Systems for Atrenne Computing Solutions, “Our internal testing and modeling research has helped us achieve robust Gen-4/5, 16/25’s Gbaud signaling in OpenVPX systems. Whether it is achieving greater performance through hi-speed backplanes or innovative cooling techniques, Atrenne delivers proven designs that accelerate innovation.”

Atrenne’s Gen-4/5 OpenVPX systems operate on high performance VITA 46.30 MULTIGIG RT 3 connectors. Multiple backplane profiles are available, including pass-thru backplanes. Atrenne also designs application-specific configurations to meet individual and custom requirements.

Atrenne’s experts will be at AUSA’s annual conference with products. Stop by booth #4225 for a demonstration.

To learn more, go to: <https://www.atrenne.com/products/gen-45-openvpx-backplanes>

### **About Atrenne Computing Solutions**

Atrenne Computing Solutions, a Celestica company, is an advanced, vertically-integrated, component and custom system provider serving aerospace, defense, computing, communications, and other technology-driven industries. Atrenne delivers custom, integrated components, electronic packaging, fabricated metal, electronic assemblies and manufacturing services to customers across the globe. With nearly 50 years of experience, Atrenne provides innovatively engineered products and services throughout the program lifecycle, from concept to manufacturing to obsolescence management. [www.atrenne-cs.com](http://www.atrenne-cs.com)

### [Datasheet](#)

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