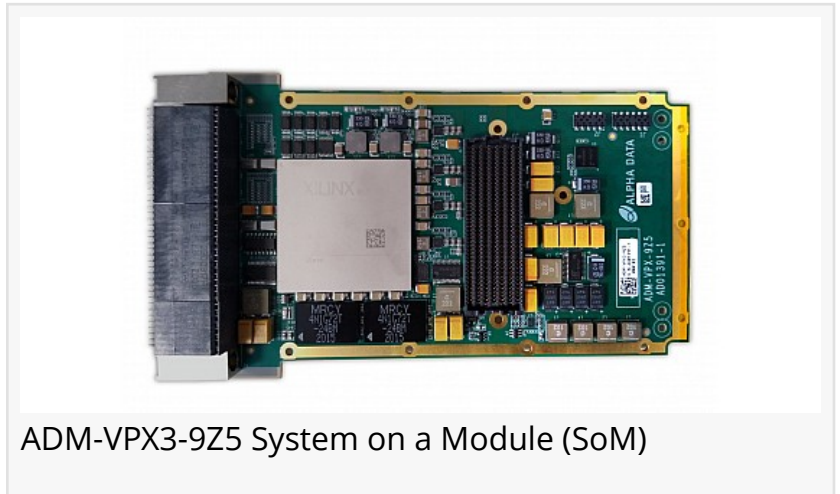


Alpha Data delivers new FPGA-based solution for High Altitude environments

EDINBURGH, UNITED KINGDOM, June 22, 2021 /EINPresswire.com/ -- [Alpha Data](#), a world-leading company in FPGA-based acceleration, is pleased to announce the first shipment of the System on a Module (SoM) [ADM-VPX3-9Z5](#) product to customers. This rugged, military specification product is designed for challenging environments including High Altitude operations.



ADM-VPX3-9Z5 System on a Module (SoM)

The Defense-Grade ADM-VPX3-9Z5 has been produced by Alpha Data in collaboration with Xilinx and Texas Instruments, and features Mil-temp range (-55C to +125C) components throughout, for utilization in challenging environments.

“

We built the Defense-Grade ADM-VPX3-9Z5 as an off-the-shelf product designed to military specifications throughout and suitable for all stages of a project, from development to deployment.”

David Miller, Managing Director of Alpha Data

The ADM-VPX3-9Z5 delivers high-performance in demanding environments and is especially designed to accelerate digital signal processing — making it particularly useful for remote sensing and Earth Observation.

Built by Alpha Data, the ADM-VPX3-9Z5 is a SOSA-aligned OpenVPX standard System on Module (SoM) that utilizes the Xilinx Defense-Grade Zynq UltraScale+ XQZU19EG FPGA. The board features Mil-temp Enhanced Plastic components from Texas Instruments for System Monitoring, Power and Temperature Sensing. The ADM-VPX3-9Z5 is also compliant with the auxiliary I/O in low-voltage (LVAUX) mode for Single Event Effects (SEE)

mitigation.

The ADM-VPX3-9Z5 provides a hard-wearing module in a 3U-VPX form factor, which can be used for everything from early lab development to test, qualification and deployment in rugged environments.

“We built the Defense-Grade ADM-VPX3-9Z5 as an off-the-shelf product designed to military specifications throughout and suitable for all stages of a project, from development to deployment,” elaborated David Miller, managing director of Alpha Data. “The stringent specification of the 9Z5 means the product is intrinsically resilient and rugged — making it the perfect choice for high-altitude sensor processing as well as offering the potential for NewSpace applications.”

The ADM-VPX3-9Z5 is part of Alpha Data’s ever growing product range for “Extreme Environments” - which also includes the new [ADA-SDEV-KIT3 Space Development Kit](#). This builds on the company’s strong technical heritage and the experience of providing products to aerospace primes and research organisations. Alpha Data engineers support customers looking to quickly leverage the very best in off-the-shelf reconfigurable computing.

Lara Zanoni
AstroAgency
[email us here](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/544449763>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2021 IPD Group, Inc. All Right Reserved.