

Alpha Data previews Versal Core Development Kit for Space 2.0

Alpha Data announces their Versal Core Development Kit for Space 2.0 - the ADK-VA600 – enabling the next generation of adaptable data processing in Space.

EDINBURGH, UNITED KINGDOM,
September 15, 2021 /

[EINPresswire.com/](https://www.einpresswire.com/) -- Alpha Data, in collaboration with Xilinx, Texas Instruments, Teledyne e2v and Infineon Technologies are delighted to announce their Versal Core Development Kit for Space 2.0, the ADK-VA600, based on the revolutionary Xilinx XQR Versal AI Core VC1902 ACAP.



The Alpha Data ADK-VA600 6U VPX Platform

ADK-VA600 builds on a long heritage of leading-edge products for extreme environments and demonstrates a complete radiation-tolerant solution for adaptable data processing in proton environments.

The Xilinx XQR Versal AI Core VC1902 ACAP, announced yesterday at the Xilinx ADAPT Conference, enables a step-increase in processing capability for SWAP constrained missions. The ADK-VA600 provides a complete radiation tolerant reference design featuring Space-Enhanced Plastics (SEP) power management and critical system monitoring devices from Texas Instruments, Rad-Tolerant DDR4 memories from Teledyne e2v and Rad-Tolerant Flash memory from Infineon Technologies.

Critically, the ADK-VA600 is designed to be a space-enhanced product. Specifically designed for multi-year missions in extreme environments including low-earth orbit, the 6U VPX form factor is suitable for lab development, while the 6U Space VPX version is available for rapid deployment.

Alpha Data's ADK-VA600 also includes an Infineon Space Plastic flash memory for self-configuration as well as an accessible front panel VITA 57.4 FMC+ site for advanced IO and Data

Converter module connectivity. The VPX Rear Transition Module provides further IO flexibility, advanced system monitoring, test access and target scrubbing features.

“We are excited to announce our Versal Core Development Kit for Space 2.0,” commented David Miller, Managing Director of Alpha Data. “This latest collaboration with our partners Xilinx, Texas Instruments, Teledyne e2v and Infineon Technologies enables customers to rapidly develop a complete processing solution, reducing costs and time to launch.”

ADK-VA600 will begin shipping in Q1 2022.

Lara Zanoni
AstroAgency
[email us here](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/551482224>

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.