



## Xilinx Extends Data Center Leadership with New Alveo U280 HBM2 Accelerator Card; Dell EMC First to Qualify Alveo U200

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**Alveo portfolio and Dell PowerEdge server with the U200 to be demonstrated at SC18**

DALLAS, Nov. 13, 2018 /PRNewswire/ -- SC18, Booth #927 -- Xilinx, Inc. (NASDAQ: XLNX) the leader in adaptive and intelligent computing, today announced that it is expanding its recently-announced [Alveo™ data center accelerator cards](#) portfolio with a new product, the Alveo U280. The Alveo U280 card will offer new features including support for high-bandwidth memory (HBM2) and leading edge, high-performance server interconnect. Xilinx also announced that Dell EMC is the first server vendor to qualify its Alveo U200 accelerator card, which will be available from Dell EMC to accelerate key HPC and other workloads with select Dell EMC PowerEdge servers. The Alveo portfolio of powerful accelerator cards is designed to dramatically increase performance in industry-standard servers across cloud and on-premise data centers.



"We are pleased to welcome Dell EMC as a go-to-market partner, and to unveil the Alveo U280, which is suited for memory-bound applications that can benefit from industry-standard HBM2 and outstanding throughput," said Manish Muthal, vice president, data center, Xilinx. "The new card is a strong complement to the Alveo portfolio which is seeing tremendous interest from customers and partners. We are committed to providing our users with new products that meet and exceed their critical data center acceleration needs across a variety of key applications."

### Alveo U280

The new Alveo U280 accelerator card offers eight gigabytes of HBM2 at 460 gigabytes-per-second to provide high-performance, adaptable acceleration for memory-bound, compute intensive applications including database analytics and machine learning inference. The U280 acceleration card includes PCI Express 4.0 with CCIX support to leverage the latest server interconnect infrastructure for high-bandwidth, low latency, cache coherent shared memory access with upcoming CCIX host processors. All of these features are designed to support today's demanding HPC environments, as well as other common data center workloads such as financial trading and risk modeling, database acceleration and more.

The Alveo U280 will start sampling in Q1 2019. For more product information and to register for updates, customers can visit [www.xilinx.com/u280](http://www.xilinx.com/u280).

### Dell EMC PowerEdge Alveo U200 Qualification

Dell EMC PowerEdge servers are the first to qualify the Alveo U200 accelerator and will be available starting this December. The Alveo accelerator card will be fully qualified and available in PowerEdge servers including the R740, R740xd, R7425, R840 and R940xa.

"With the Alveo U200 as a qualified option for Dell EMC PowerEdge servers, we are able to offer customers a Xilinx FPGA-based acceleration option to meet fast-growing computational demand in today's modern data centers," said Ravi Pendekanti, senior vice president, product management and marketing, Dell EMC Server and Infrastructure Systems. "Our collaboration with Xilinx helps us create best-in-class acceleration solutions that benefit customers in a wide range of applications from video content streaming to risk management and financial services."

### SC18 Demonstrations

Xilinx will showcase the Alveo U280's 8x acceleration for database hash join query and a Dell EMC PowerEdge server featuring the Alveo U200 at SC18 in booth #927. Additional booth demonstrations include:

- IBM Power AI Vision Inference with Alveo U200
- Boxx Dense Compute Acceleration System with Alveo
- Samsung SmartSSD
- 100Gbps Compression using Eideticom NVMe-attached Acceleration
- Computational Storage from ScaleFlux Accelerating Cloudera Hadoop
- Seamless KVS Acceleration enabled by CCIX

Full details on Xilinx's presence at SC18, can be found [here](#).

Information on [Alveo](#) and the [full spec sheets](#) are available on the Xilinx website. The latest list of Alveo application developers is available on the [application directory](#).

### About Xilinx

Xilinx develops highly flexible and adaptive processing platforms that enable rapid innovation across a variety of technologies – from the endpoint to the edge to the cloud. Xilinx is the inventor of the FPGA, hardware programmable SoCs and the ACAP, designed to deliver the most dynamic processor technology in the industry and enable the adaptable, intelligent and connected world of the future. For more information,

visit [www.xilinx.com](http://www.xilinx.com).

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