Pascaline Technology Introduces High-Capacity Veloxity™ 200 Series Accelerator Accelerator with Advanced Storage Connectivity

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Bellevue, WA – Pascaline Technology, an innovator in cutting-edge AI and data center solutions, today announced the launch of its Veloxity™ V200 FPGA Accelerator Card. This powerful new addition to the Veloxity family delivers unprecedented memory capacity, storage connectivity, and network bandwidth, designed to meet the demands of data-intensive applications in AI/ML, networking, FinTech, biotech, and general research.

The Veloxity V200 leverages the AMD Xilinx UltraScale+ FPGA architecture to provide exceptional computational capabilities combined with industry-leading memory, storage, and networking specifications:

Veloxity V200: Enterprise-Class Performance

- Massive 512GB DDR4 memory capacity
- Ultra-fast 400Gbit/s network interface
- PCIe Gen 4 x16 connectivity
- Comprehensive storage connectivity:
    - Two NVMe connectors for direct-attached high-speed storage
    - Two SlimSAS connectors enabling flexible storage expansion
- Engineered for high-throughput networking applications and datacenter interconnect
- Optimized for memory-intensive workloads and large-scale data processing

The V200's advanced storage architecture enables direct integration with NVMe drives and storage arrays, allowing for:

- Ultra-low latency data access
- Direct data processing from storage to FPGA
- Flexible storage configurations up to multiple petabytes
- Storage acceleration and compression
- In-line data processing and analytics

A Message from Pascaline Technology, Inc.

"The Veloxity V200 represents a quantum leap in FPGA-based acceleration capabilities," said **Jaime Cummins**, CEO of Pascaline Technology. "With half a terabyte of memory, comprehensive storage connectivity options, and 400Gbit/s networking, the V200 sets a new standard for enterprise-grade FPGA acceleration. This unique combination enables our customers to implement complete solutions that can process massive datasets directly on the accelerator, eliminating traditional storage bottlenecks in their data centers."

Pascaline Technology also develops custom designs of FPGA accelerators for customers ranging from Commercial, Government, Pharma, Biotech, Aerospace and Research areas. Contact sales@pascalinetechcnology.com for inquiries about custom designs for your needs. Special small runs or high volume runs can be supported.

Availability

The Veloxity™ 200 Series is **available to ship now.** For more information about the Veloxity™ Series FPGA Cards and how they can accelerate your workloads, visit **Pascalinetechnology.com** or contact **sales@pascalinetechnology.com**

About Pascaline Technology inc.

Founded in 2022, Pascaline Technology is a leader in developing custom FPGA accelerator technologies. The company specializes in designing innovative hardware

and software solutions that redefine computational performance, energy efficiency, and scalability.