Vecow and Blaize Team to Deliver Leading Workstation-grade Edge AI Computing Solution

September 27, 2021

Vecow ECX-2400 AI Computing System targets demanding industrial applications with higher system reliability, lower power consumption and faster time-to-market - ideal Edge AI solution for lower total cost of ownership (TCO)

El Dorado Hills, CA and New Taipei City, Taiwan — September 27, 2021— Vecow Co., Ltd., a team of global embedded experts, and Blaize®, the AI edge computing innovator, today announced the launch of the Vecow ECX-2400 workstation-grade AI Computing System. Vecow ECX-2400 AI Computing System harnesses the Blaize Graph Streaming Processor® (GSP®) based Xplorer AI accelerator to deliver outstanding AI performance with higher system reliability, lower power consumption and faster time-to-market. Vecow ECX-2400 AI is a trusted solution for smart AOI, public security, robotic control, traffic vision, and any Industry 4.0/AIoT applications at the edge with less total cost of ownership (TCO).

The Vecow ECX-2400 AI is powered by workstation-grade 10-core 10th Gen Intel® Xeon®/Core™ i9/i7/i5/i3 processor, and incorporates the advanced Blaize Xplorer X1600P PCIe series AI accelerator card supporting up to 80 TOPS of AI inference performance in a compact and ruggedized configuration. To address demanding industrial requirements, Vecow ECX-2400 AI features smart system protection functions including 12V to 50V wide range DC power input, 80V surge protection, software ignition power control and even 250W system power budget, making it the trusted solution for any mission critical AI accelerating tasks at the edge.

The Blaize software programmable GSP architecture provides a low latency and high-performance inference processing solution requiring less memory with fewer access, yielding an ideal low latency AI system that consumes less power than other accelerators. “The Blaize software programmable GSP architecture excels in AI inference for edge-based products and appliances,” said Kev Wang, Applied Software Manager at Vecow. Vecow ECX-2400 AI has integrated the Blaize Picasso SDK into VHub AI developer software, enabling the users to easily develop, deploy and manage edge AI inference systems with single-core or quad-core Blaize Xplorer AI Inference Accelerators.

“It’s our honor to carry a new powerful and lower power consumption AI accelerator solution to the market,” said Joseph Huang, Global Sales Director at Vecow. “Industrial users have stringent requirements for trusted and reliable AI computing engines with longevity support and less total cost of ownership. This collaboration with Blaize contributes our global partners and customers closer to their success with faster time-to-market consideration. We will keep engaging advanced AI technologies to benefit to our global partners and customers.”

“We look forward to jointly engaging with end customers and channel partners to deliver the new levels of efficient and cost-effective AI inference systems enabled by the Vecow ECX-2400 AI,” said Barrie Mullins, Sr. Director, Product Marketing, Blaize. “Industrial customers using vision analytics in use cases such as industrial inspection, manufacturing production line anomaly, human robot interaction, employee safety and smart camera systems can utilize the ECX-2400 AI to advance operational efficiencies and processes.”

Powered by workstation-grade 10-core 10th Gen Intel Xeon/Core i9/i7/i5/i3 processor running with Blaize Xplorer X1600P PCIe series AI accelerator card supporting up to 80 TOPS of AI inference performance, system-oriented optimization and protecting features, Vecow ECX-2400 AI serves higher system reliability, lower power consumption and faster time-to-market to contribute project success with less total cost of ownership (TCO) for Smart AOI, Smart City, Public Security, Robot Control and any AIoT applications at the edge.

ECX-2400 AI-P

Workstation-grade 10th Gen Intel Xeon/Core i9/i7/i5/i3 (Comet Lake) AI Computing System with single core Blaize Xplorer AI accelerator

ECX-2400 AI-PQ

Workstation-grade 10th Gen Intel Xeon/Core™ i9/i7/i5/i3 (Comet Lake) AI Computing System with quad core Blaize Xplorer AI accelerator

About Vecow

Vecow is a team of global embedded experts and we aim to be your trusted embedded business partner. Vecow is committed to designing, developing, producing, and supplying high quality AIoT solutions with trusted reliability, advanced technology, and innovative concepts. Our products include: AI-ready Inference Systems, AI Computing Systems, Fanless Embedded Systems, Vehicle Computing Systems, Robust Computing Systems, Single Board Computers, Multi-Touch Computers/Displays, Frame Grabbers, Embedded Peripherals and Design & Manufacturing Services for Machine Vision, Autonomous Car, Robotic Control, Rolling Stock, Public Surveillance, Traffic Vision, Smart Automation, Deep Learning, and any AIoT/Industry 4.0 applications. www.vecow.com

About Blaize

Blaize leads new-generation computing unleashing the potential of AI to enable leaps in the value technology delivers to improve the way we all work and live. Blaize offers transformative edge computing solutions for AI data collection and processing at the edge of network, with focus on smart vision applications including automobility, retail, security, industrial and metro. Blaize has secured US$155M in equity funding to date from strategic and venture investors Franklin Templeton, Temasek, DENSO, Daimler, SPARX Group, Magna, Samsung Catalyst Fund, GGV Capital, Wavemaker and SGInnovate. With headquarters in El Dorado Hills (CA), Blaize has teams in Campbell (CA), Cary (NC), and subsidiaries in Hyderabad (India), and Leeds and Kings Langley (UK), with 300+ employees worldwide. www.blaize.com