Wednesday 11/11

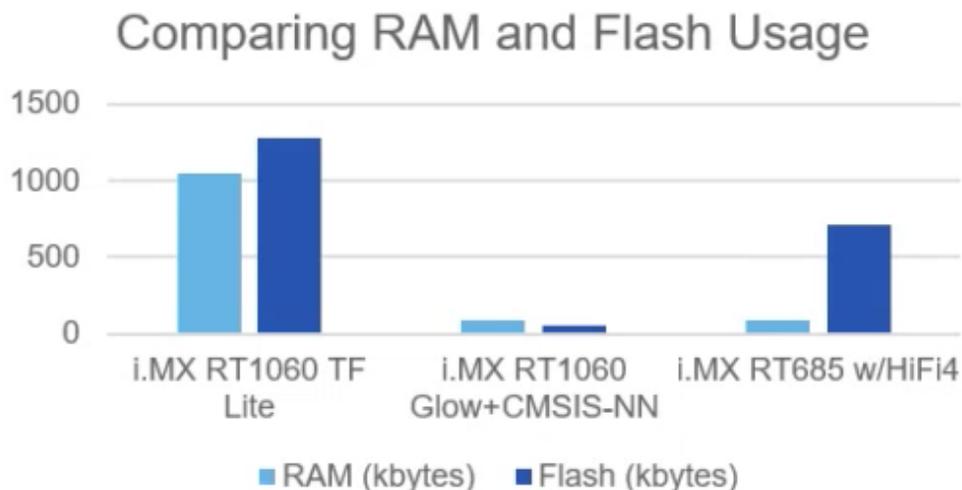**AI DEVELOPMENT TOOLS FEATURE**

AI Compilers and the Race to the Bottom

Facebook?s open-source machine learning compiler, Glow, is an example of the tooling evolution. It ?lowers? neural network graphs using a two-phase intermediate representation (IR), which generates machine code that is specially-tuned to the features and memory of a variety of embedded and server-class hardware targets. It also performs ahead-of-time (AOT) compilation, which minimizes runtime overhead to save disk space, memory, startup times, and so on.

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AI BENCHMARKING NEWS

NVIDIA Extends Lead on MLPerf Benchmark with A100

Per the company, NVIDIA won every test across all six application areas for data center and edge computing systems in the second version of MLPerf Inference.

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AI PROCESSING NEWS

Samsung and VeriSilicon Enable Blaize to Meet Time-to-Market Goals for New AI Edge Processor

Leveraging Samsung Foundry?s 14nm FinFET process technology and VeriSilicon?s chip design and IP, Blaize is now offering its AI Edge computing Pathfinder and Xplorer platforms equipped with the Blaize Graph Streaming Processor (GSP).

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WEBCAST

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AI DEVELOPMENT TOOLS NEWS

RTI Introduces Enhanced ROS 2 Support to Accelerate Development of Scalable Robotics Systems

ROS 2 offers an open-source framework for building robotic systems. Per the company, RTI is the leading supplier of software compliant with the Data Distribution Service (DDS) standard, which provides the connectivity backbone for ROS 2.

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FUNCTIONAL SAFETY & SECURITY FEATURE

Robot Design for Electromagnetic Compatibility and Functional Safety

As extra automated systems become packed onto factory floors, often near human workers, equipment designers must take care to meet applicable equipment directives that cover both electromagnetic compatibility and functional safety.

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