



NEWS RELEASE

Ambiq Expands AI Development Support with neuralSPOT SDK V1.2.0 Beta for Apollo510 and Apollo510B

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AUSTIN, Texas, Sept. 23, 2025 (GLOBE NEWSWIRE) -- Ambiq Micro, Inc. (NYSE: AMBQ), a technology leader in ultra-low-power semiconductor solutions for edge AI, today announced the availability of the latest release of the neuralSPOT SDK and Toolkit for the Apollo510 and Apollo510B, Ambiq's flagship systems-on-chips (SoC) Family with the highest performance and the most power efficiency among its generations for advanced edge AI applications.

Feature highlights:

- Apollo510 Support and Enhancements – Unlocks the full potential of Ambiq's award-winning SoCs with advanced AI performance characterization tools
- HeliaRT Beta Integration – Ambiq's Apollo-specific AI runtime, delivering up to 3X faster inference and improved energy efficiency compared to LiteRT implementations
- Experimental HeliaAOT Integration – Ahead-of-time AI compiler for performance-driven deployment
- Rich Example Library – More than a dozen ready-to-deploy models for Apollo510, Apollo510B, Apollo4 Plus, Apollo4 Lite, and Apollo3 Plus

neuralSPOT – Accelerating Edge AI Development with Ready-to-Use AI Models

The neuralSPOT SDK and Toolkit bridges the gap between AI model creation, deployment, and optimization—



empowering developers to move from concept to prototype in minutes, not days. neuralSPOT V1.2.0 Beta comes with example implementations of popular AI models including:

- Human activity recognition
- ECG monitoring
- Keyword spotting
- Speech enhancement
- Speaker identification

Whether you're building next-generation AI models or showcasing innovative demos, neuralSPOT delivers the tools you need to succeed.

"With its AI-focused vector engine, the Apollo510 is a joy to develop for," said Carlos Morales, VP of AI at Ambiq. "We continue to discover new ways to push the boundaries of performance and efficiency, and neuralSPOT is key to enabling those optimizations."

Apollo510 SoC Family – Powering the Future of Edge AI

The Apollo510—winner of the Best Hardware Award at Embedded World 2024—sets the standard for performance and power efficiency in edge AI. It also drives heartKIT™ AI SDK, a collection of models for heart-vital monitoring and analytics, which earned the Best AI Solutions Award at Embedded World 2025 and is now available within the neuralSPOT SDK library.

Learn more about the **latest updates in neuralSPOT V1.2.0 Beta** and get started on **developing edge AI applications with neuralSPOT today**.

About Ambiq

Headquartered in Austin, Texas, Ambiq's mission is to enable intelligence (artificial intelligence (AI) and beyond) everywhere by delivering the lowest power semiconductor solutions. Ambiq enables its customers to deliver AI compute at the edge where power consumption challenges are the most severe. Ambiq's technology innovations, built on the patented and proprietary subthreshold power optimized technology (SPOT®), fundamentally deliver a multi-fold improvement in power consumption over traditional semiconductor designs. Ambiq has powered over 280 million devices to date. For more information, visit www.ambiq.com.

Forward-Looking Statements

The statements contained in this press release that are not historical facts are forward-looking statements. You can identify forward-looking statements because they contain words such as “believes,” “expects,” “may,” “will,” “should,” “seeks,” “intends,” “plans,” “estimates,” or “anticipates,” or similar expressions which concern our strategy, plans, projections or intentions. These forward-looking statements may be included throughout this press release, and include, but are not limited to, statements relating to Ambiq’s expectations and plans in connection with the neuralSPOT SDK and Toolkit for the Apollo510 and Apollo510B. By their nature, forward-looking statements are not statements of historical fact or guarantees of future performance and are subject to risks, uncertainties, assumptions or changes in circumstances that are difficult to predict or quantify, including those described in the section titled “Risk Factors” in Ambiq’s prospectus filed with the Securities and Exchange Commission (“SEC”) on July 31, 2025, as well as in other filings Ambiq may make with the SEC in the future. Ambiq’s expectations, beliefs and projections are expressed in good faith and Ambiq believes there is a reasonable basis for them. However, there can be no assurance that management’s expectations, beliefs and projections will result or be achieved and actual results may vary materially from what is expressed in or indicated by the forward-looking statements. Any forward-looking statement in this press release speaks only as of the date of this release. Ambiq undertakes no obligation to publicly update or review any forward-looking statement, whether as a result of new information, future developments or otherwise, except as may be required by any applicable securities laws.

PR and Media

Charlene Wan

VP of Corporate Marketing

cwan@ambiq.com

+1.512.879.2850

Investor Relations

Shelton Group

Leanne K. Sievers | Brett Perry

ambq-ir@sheltongroup.com

+1.972.239.5119

A photo accompanying this announcement is available at

<https://www.globenewswire.com/NewsRoom/AttachmentNg/3acc105f-f01c-488e-b2e6-d3c7ec2ecb45>

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