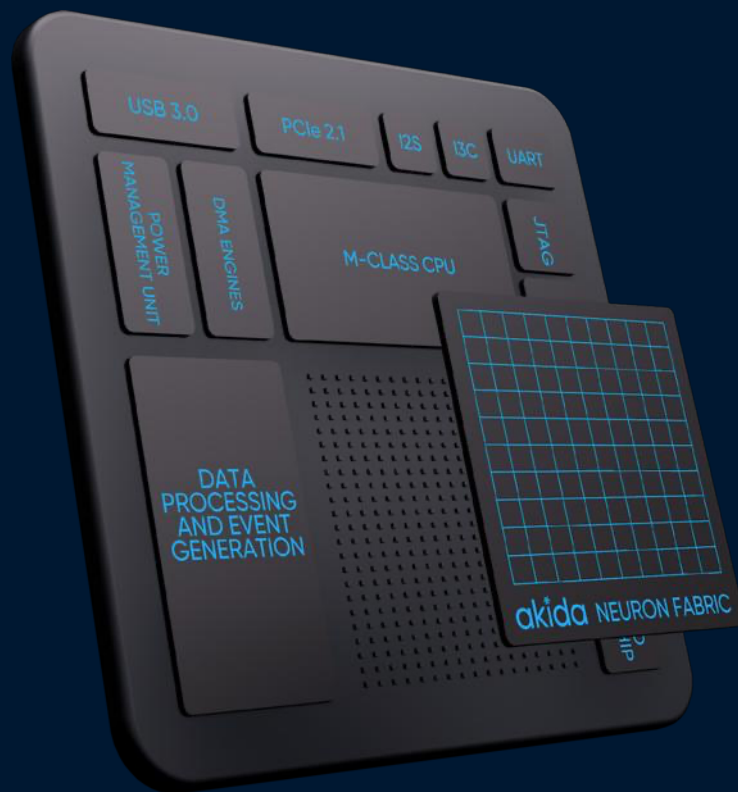


Technology Roadmap Update



Roadmap Disclaimer

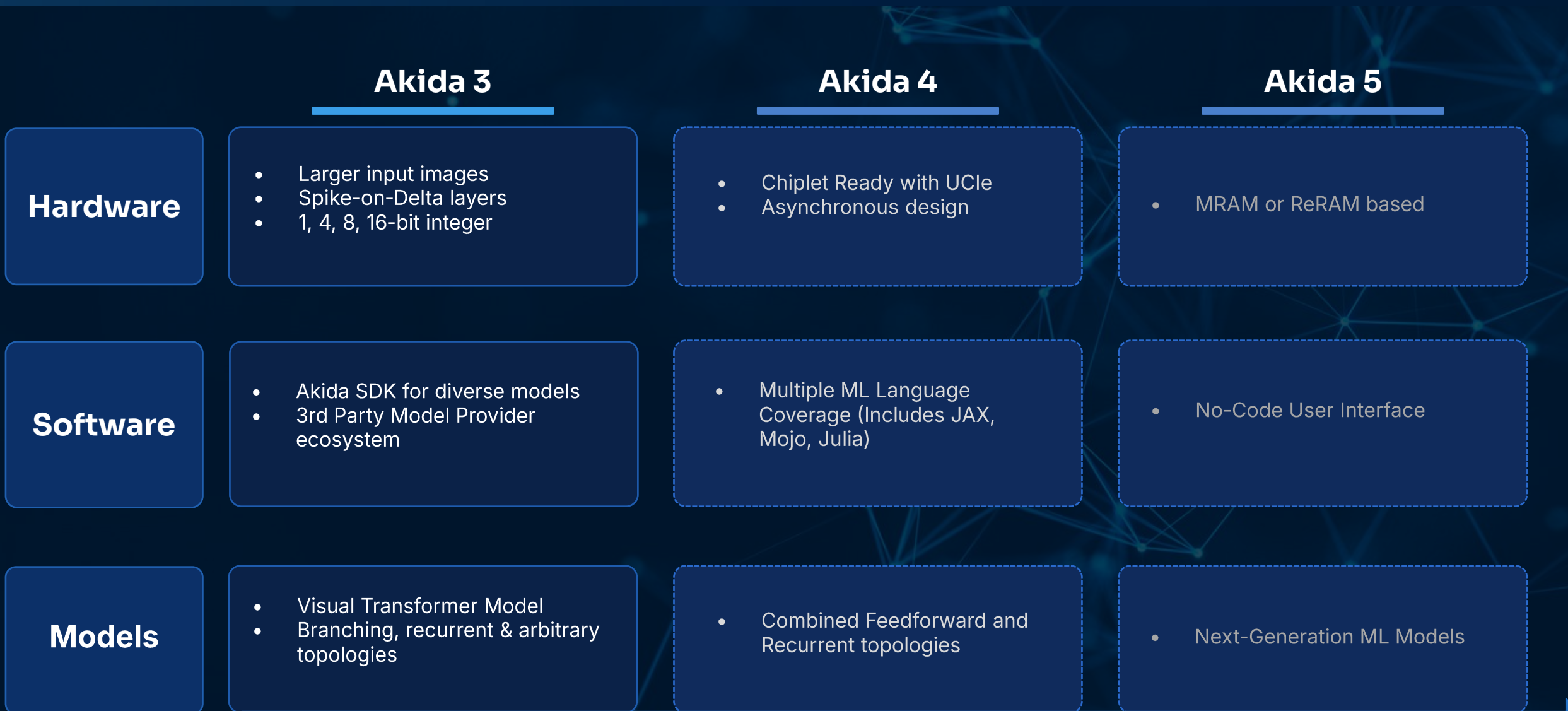
- The information contained in these presentations is intended to outline general product direction and Intention.
- The information presented is not a commitment, promise, or legal obligation. Roadmaps are subject to change.
- Any reference to the development, release, and timing of any features or functionality described for these products remains at Brainchip's discretion.
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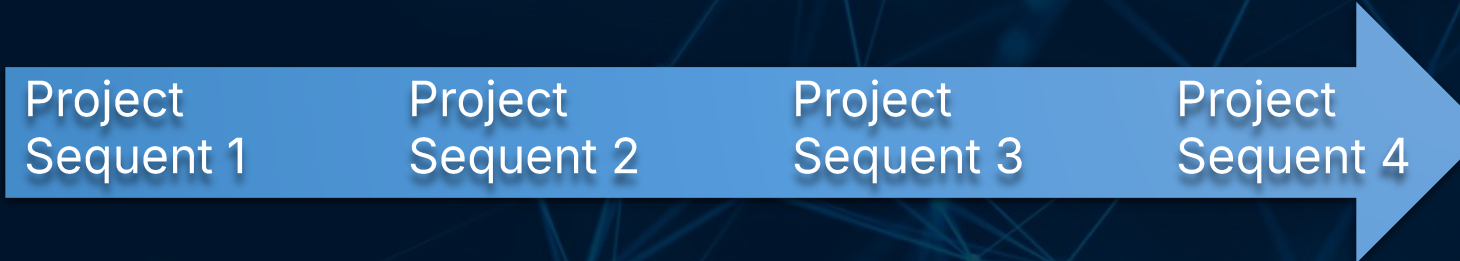
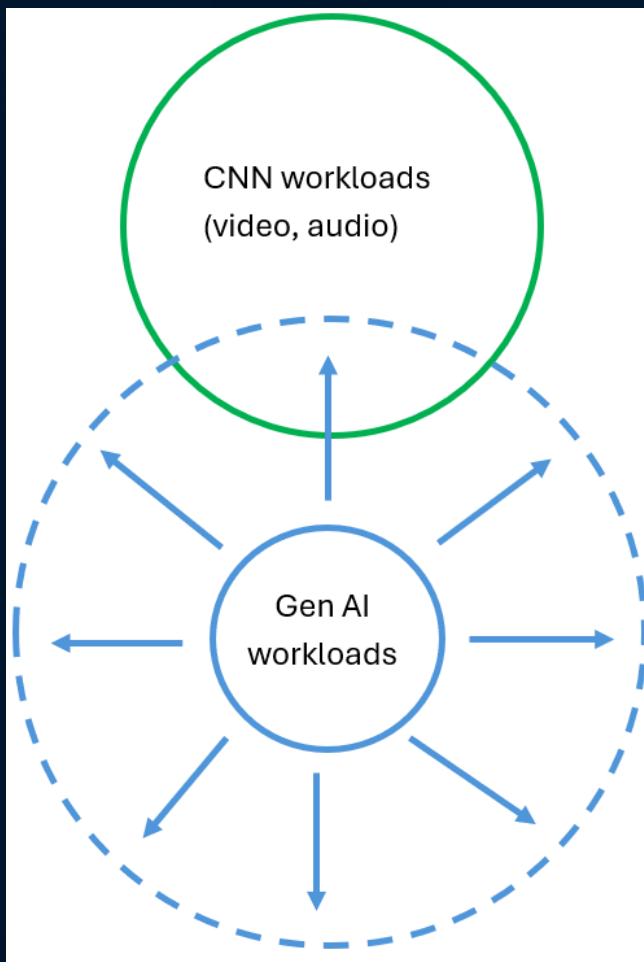
Outline

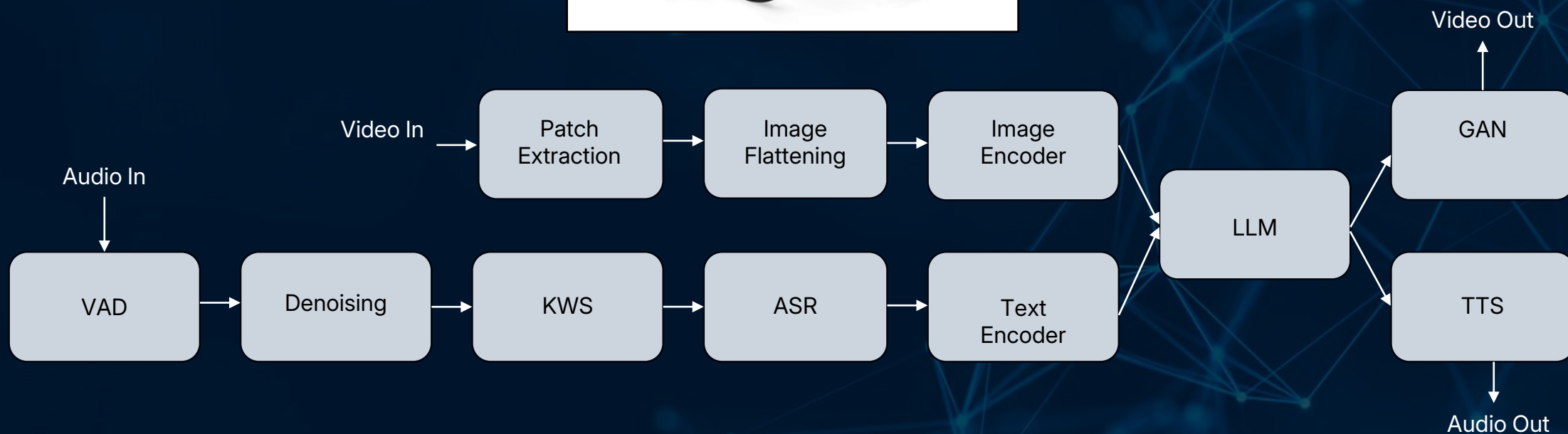
- Recap and Progress
- Expanded Product Lines
- Next Decade View of the Akida Platform
- Next Decade View of Gen AI Platform
- 2026 Product Roadmap and Delivery Timeline

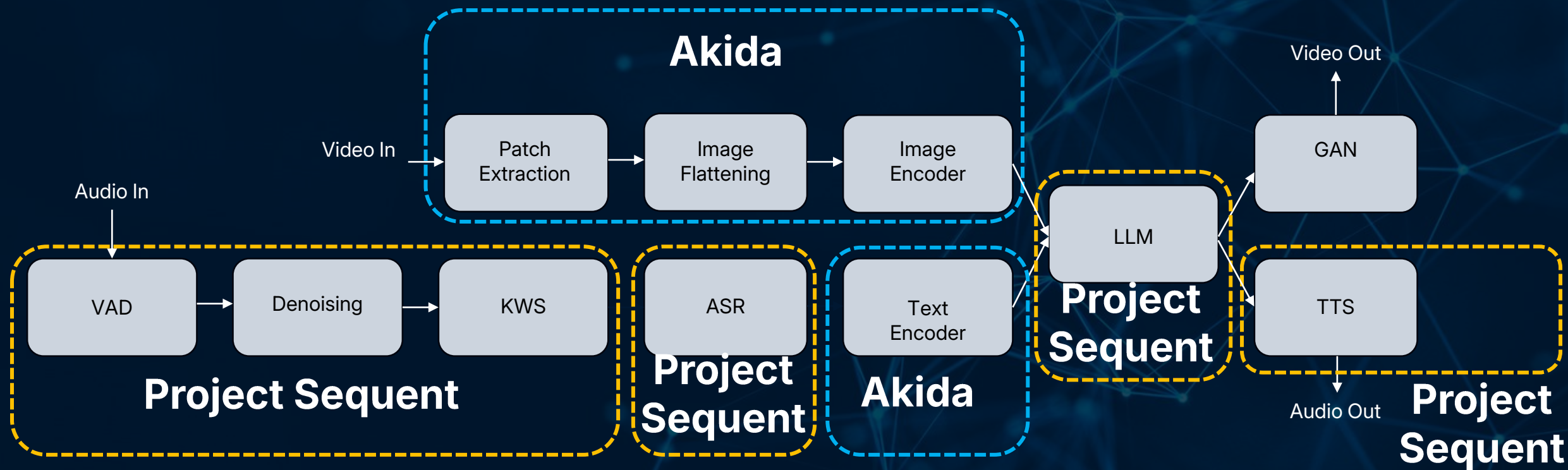
	Akida 1	Akida 2	Akida GenAI	Akida 3
Hardware	<ul style="list-style-type: none"> • 1, 4-bit integer • Neuromorphic State Machine 	<ul style="list-style-type: none"> • 1, 4, 8-bit integer • Neuromorphic State Machine 	<ul style="list-style-type: none"> • 16, 32-bit Floating point • Neuromorphic (ISA) 	<ul style="list-style-type: none"> • 1, 4, 8, 16-bit integer • 16, 32-bit Floating point • Neuromorphic (ISA)
Software	<ul style="list-style-type: none"> • MetaTF model conversion 	<ul style="list-style-type: none"> • Enhanced MetaTF model conversion • 3rd Party Model Providers 	<ul style="list-style-type: none"> • Akida SDK for TENNs LLM • Direct use of open source SSMs, no conversion necessary • Distillation of very large models 	<ul style="list-style-type: none"> • Akida SDK for diverse models (TENNs and user's models) • 3rd Party Model Provider ecosystem
Models	<ul style="list-style-type: none"> • Simple convolutional neural networks (CNNs) 	<ul style="list-style-type: none"> • CNNs, TENNs, branching and recurrent topologies 	<ul style="list-style-type: none"> • TENNs and SSM open-source Large Language Models 	<ul style="list-style-type: none"> • CNNs, TENNs, SSMs, LLMs • Branching, recurrent and arbitrary topologies

- Akida 2 Enhanced RTL built out
 - Akida 2.2
 - Akida Pico
- Significant enhancements to MetaTF Software
 - Automated hybrid model support
 - Expanded model zoo
- GenAI RTL (Project Sequent) substantial progress
- 4 Reference Designs
- Akida 1500 chips
- Akida 2500 chip in pilot run









Akida GenAI (2025)

Hardware

- 16, 32-bit Floating point
- Neuromorphic (ISA)

Software

- Akida SDK for TENNs & LLM
- Direct use of open-source SSMs — no conversion necessary
- Distillation of very large models

Models

- TENNs and SSM open-source Large Language Models

Project Sequent 1: Enhancements

- Direct Flash Access for Lower Power
- Expanded Operator Coverage
- Easy RISC-V Host Integration

- Full Software Stack
- IDE Integration
- Performance and Optimization
- Wide coverage of BYO models

- 50 canonical models available
- Transformers and non-SSM covered
- Rapid distillation from large foundation models

Project Sequent 1 / Gen AI

Project Sequent 2

Project Sequent 3

Hardware

- 16, 32-bit Floating point
- Neuromorphic (ISA)

- Chiplet Ready with UCle
- Asynchronous design

- MRAM or ReRAM based

Software

- Akida SDK
- Direct use of open-source SSMs
- Distillation of large models

- Multiple ML Language Coverage (Includes JAX, Mojo, Julia)

- No-Code User Interface

Models

- TENNs and SSM open-source Large Language Models

- Autonomous Agents

- Next-Generation AI Models
- (World Models)

Thank You ✨

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