



ASX Announcement

Q2 2026 Investor Presentation

Sydney, Australia – 11 September 2026 – BrainChip Holdings Ltd (ASX: BRN, OTCQX: BRCHF, BCHPY) a global leader in ultra-low power, fully digital, event-based neuromorphic AI, is hosting an investor update with CEO, Sean Hehir at **10.30am (AEST) today**.

Sean will present the attached presentation. Following the presentation, Sean will address a number of recent investor questions.

Access to the webinar

Investors can access the webinar [here](#). The recording will be available for replay shortly after release.

Authorisation

This announcement has been authorised for release by the Board of Directors.

Contact details

Investors

Troy Dahms
Head of Investor Relations
and Financial Communications
BrainChip
IR@brainchip.com

Media

Madeline Coe
Bospar
prforbrainchip@bospar.com
+1-224-433-9056

About BrainChip Holdings Ltd (ASX: BRN, OTCQX: BRCHF, ADR: BCHPY)

BrainChip is the worldwide leader in Edge AI on-chip processing and learning. The company's first-to-market, fully digital, event-based AI processor, Akida™, uses neuromorphic principles to mimic the human brain, analysing only essential sensor inputs at the point of acquisition and processing data with unmatched efficiency, precision, and energy economy. BrainChip's Temporal Event-based Neural Networks (TENNs) build on State-Space Models (SSMs), deliver time-aware, event-driven intelligence optimized for scalable, real-time streaming applications. These innovations make low-power Edge AI deployable across industries such as aerospace, autonomous vehicles, robotics, industrial IoT, consumer devices, and wearables. BrainChip is advancing the future of intelligent computing, bringing AI closer to the sensor and closer to real-time.

Explore more at www.brainchip.com.

Follow BrainChip:

[linkedin.com/company/7792006](https://www.linkedin.com/company/7792006)

[X.com/BrainChip_inc](https://x.com/BrainChip_inc)

Quarterly investor update Q2 2026

11 September 2026



Agenda

- * Edge AI – an early growth story
- * Why BrainChip?
- * Q2 highlights
- * AKD1500 chips create a new revenue stream
- * Akida powers hybrid computing
- * Investor questions
- * Appendices



Edge AI – an early growth story

AI is moving from the cloud into physical devices (the Edge)



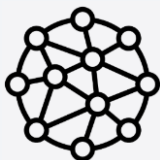
Demand for AI growing exponentially



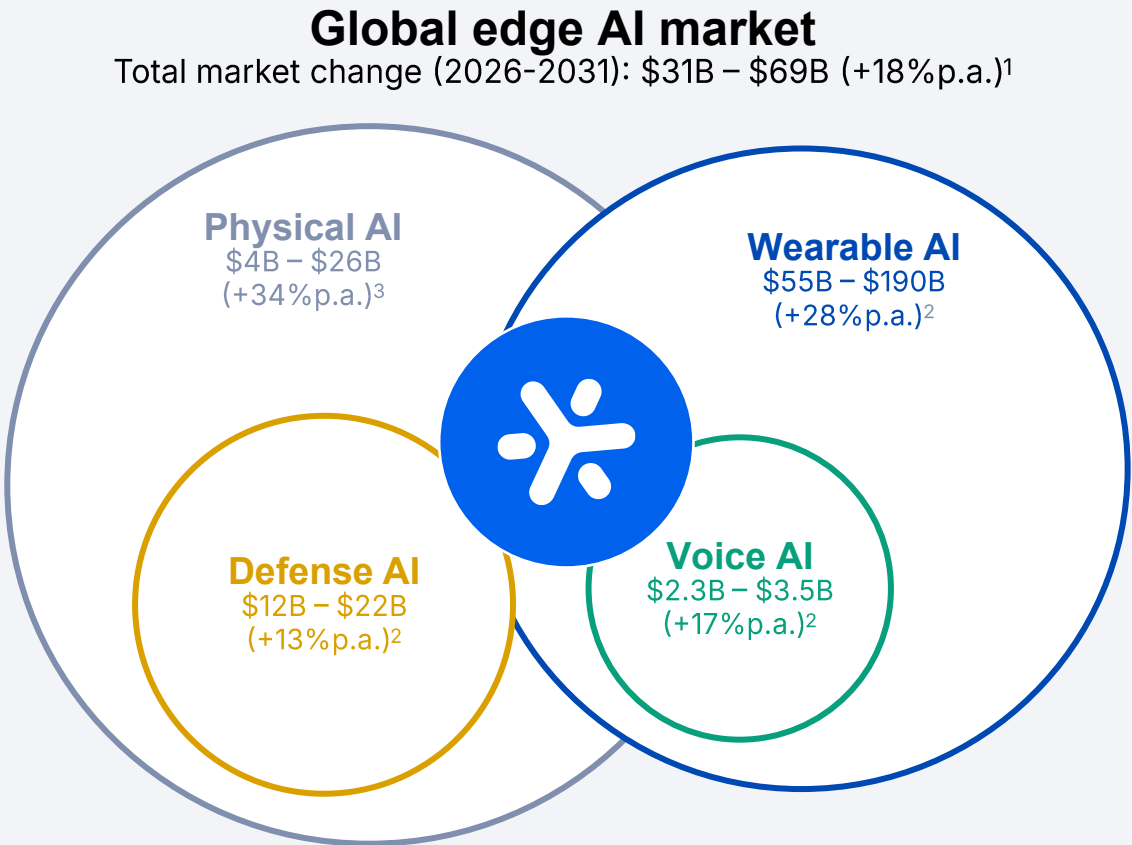
Data centre cost, power and latency constraints increasing



Privacy and data sovereignty requirements increasing



Edge AI adoption accelerating



1. MarketsandMarkets; 2. Grand View Research; 3. Acumen Research.

Why BrainChip? Strategy built to win

BrainChip is the worldwide leader in ultra low power edge AI

1st to commercialise neuromorphic

BrainChip in the market with a range of leading products/services enabling edge AI

Protected IP advantage

67 patents either secured or under review

Customer choice

Modules, Chips, IP – solutions tailored to customer requirements

Plug and Play

Hardware, software and easy-to-run modules

Power, latency + privacy

Advanced event-based processor responds quickly at ultra-low power

Hybrid compute

Even more efficient when tasks routed between CPU, GPU and Akida

Why BrainChip? More to offer

More intelligence, products and services than ever – driving greater customer interaction

More ways to access BrainChip intelligence

-  cores Akida IP
-  models Models
-  chips Edge AI hardware
-  tools Developer tools & cloud
-  platforms Reference platforms

Refer to slide 19 for more details.

More products and services to buy

AKD1500



M.2



PCIe



RPi 5

AKD1000



M.2



PCIe



RPi 5

Akida 2 – Field Programmable Gate Array (FGPA)

Reference designs

- * Radar, Electronic Warfare and Wearable/Akida Tag



Akida Tag

Enablement services

- * Hardware, software and models

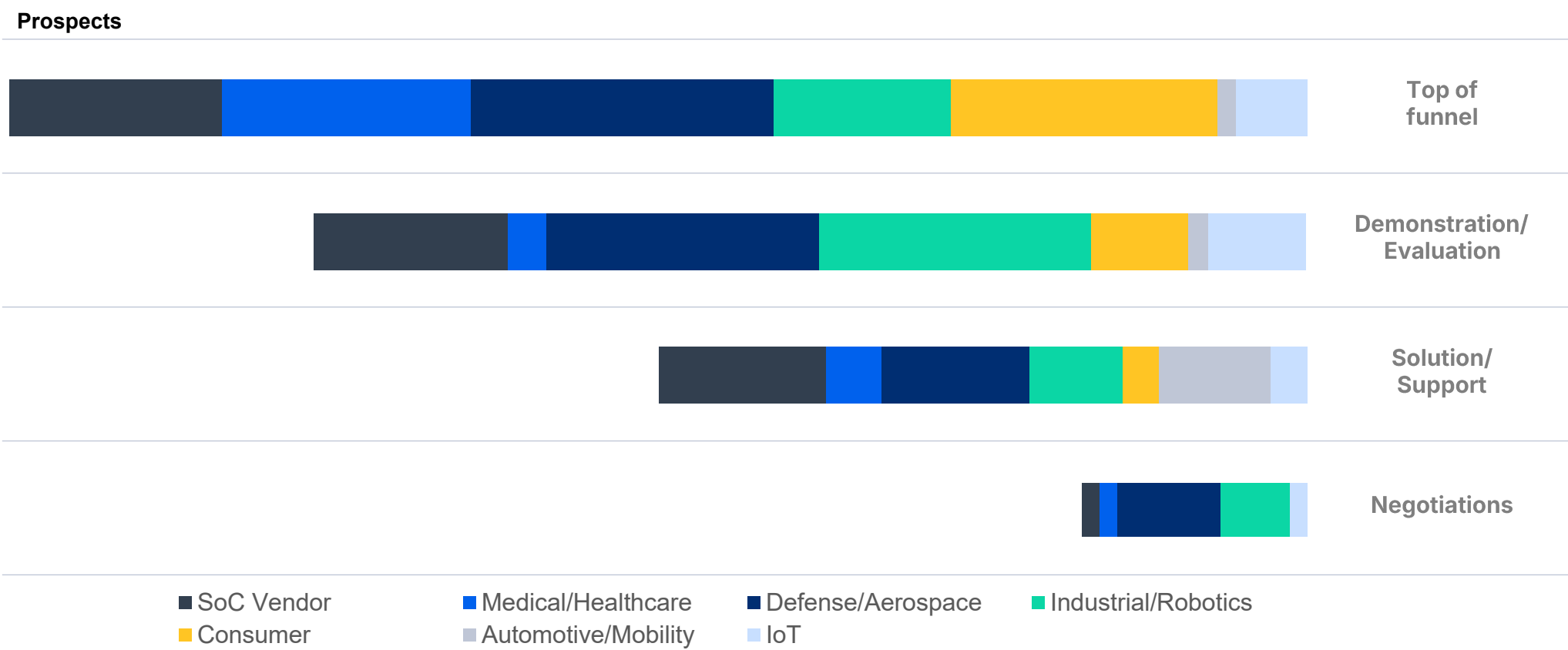
Akida 1 and 2 IP

More customer contacts than ever

- * Easier to access
- * More discussions
- * More solutions
- * More products to buy
- * More customers in the pipeline

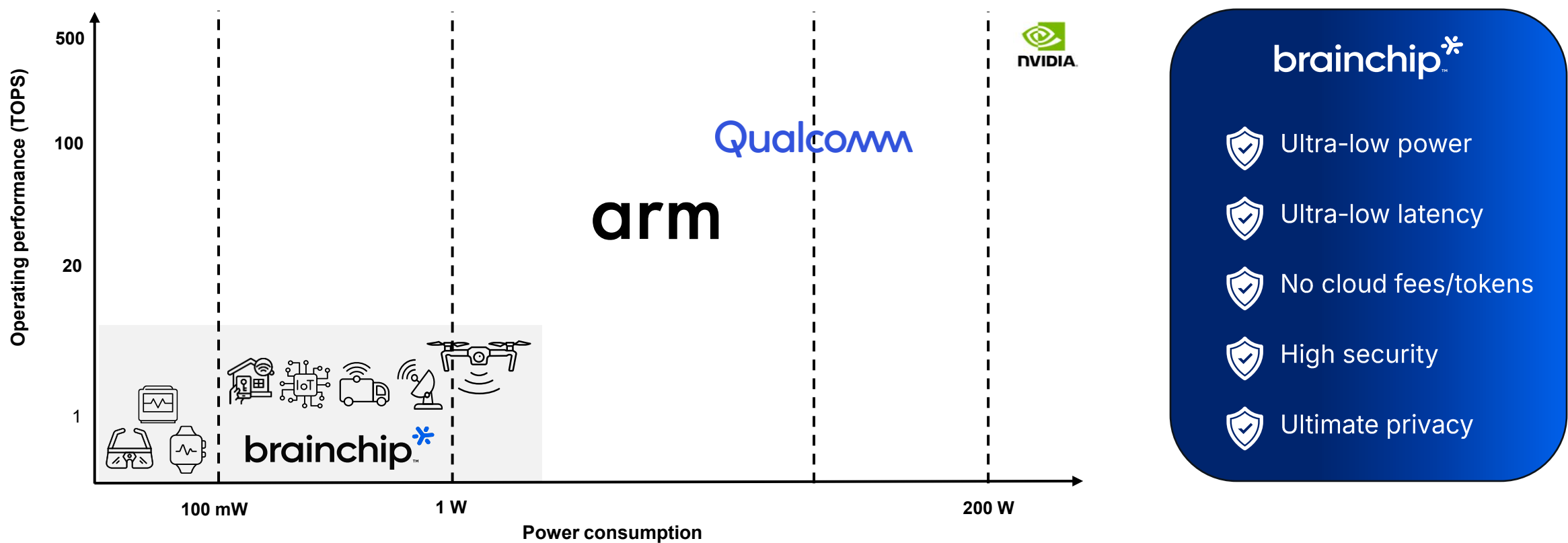
Why BrainChip? Growing opportunity pipeline

Growing interest from a wide range of sectors in the 'funnel'



Why BrainChip? Key competitive advantages

BrainChip leads in ultra low power, ultra low latency and data sovereignty



Why BrainChip? Diversified Customer Base

BrainChip has real deployments already across a broad range of market segments and sectors



Medical Wearables



Radar & Drones



Space Imaging



Safety Drone



Defense



RISC-V AI Subsystem



WiFi Wearables



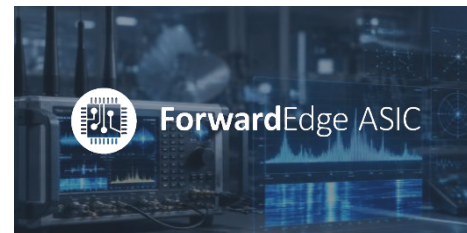
Advanced Radar



Industrial Sensing



ASIC Design



RF and Signal Processing



Smart Metering

Q2 highlights

BrainChip's commercialisation strategy continues to advance

AKD1500 chips arrive



M.2 Board

- * New revenue streams
- * Accelerates product evaluation

IBM Spectrum Symphony Community Akida Bundle launched

"...lightweight inference tasks can be directed to Akida instead of going by default to a GPU."

- **IT Brief Australia**, itbrief.com.au

<https://developer.brainchip.com/symphony-community-akida-bundle/>

Neuromorphyx relationship expanded



BrainBoard1500

- * Purchased 1,200 chips in Dec-25
- * Entered partnership for BrainBoard1500 development in Aug-26



Orama.AOI industrial defect detection partnership

"Akida enables Orama.AOI to deploy high-performance, power-efficient inspection solutions built for the demanding conditions of modern manufacturing." - **L. Thomas Heiser, President and CEO of Heiser Industries**

Next generation products progressing

- * AKD2000 (MPW) Dec-26 tape out on schedule
- * Akida Pico IP ready
- * Sequora available for customer evaluation Q4 2026



Partnerships expand market access in significant semiconductor communities of Korea and Taiwan

- * First Akida 2 RTL (IP) delivery

AKD1500 chips create a new revenue stream

Physical chips delivery driving revenue and accelerating customer product evaluation

~25%
chips sold to date

Chip modules
Regular, low volume sales
of Akida Tag, M.2, PCIe
and RPi 5 boards

Award-winning

- Won Global AI award in Edge AI + IoT Intelligence
- Named Truly Innovative Tech by Electronics For You

Strong interest
From customers in the
pipeline¹

Evaluating
Timing and volume
of next batch



- * AI-enabled products for defense environments
- * Multi-year partnership advancing with chip order



- * Developed epileptic seizure detecting glasses



- * Partnership to create and distribute developer-friendly BrainBoard1500



1. Pipeline customers refers to slide 6.

Akida powers hybrid computing

Akida enhances computational efficiency for appropriate workloads

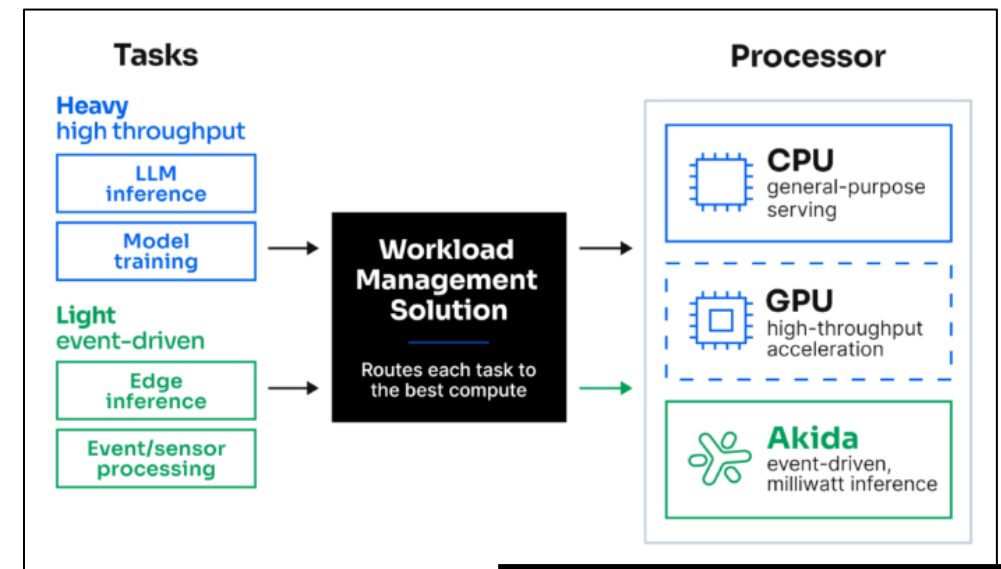
Akida strong in hybrid computing

- * Balancing workloads across Akida, CPU and GPU can significantly improve computational efficiency and inference latency

IBM Spectrum Symphony Community Akida bundle launched

- * Provides easy-to-test neuromorphic processors as standard compute resource
- * Open-sourced for ease of use – available on GitHub
- * Akida/Symphony combination demonstrations bundled with software

Akida/Symphony success can be extended to other workload management solutions (like Kubernetes)



Investor questions





Appendices





Investor calendar

Date	Detail
11 Sep 10:30am	Investor update (Q2)
22 Sep 11:45am	AI & Semiconductors: ASX-Listed Stocks Investor Webinar Register here
Late Sep	Australian broker desk briefing
Late Oct	Q3 2026 QAR and Appendix 4C
Oct/Nov	Investor update (Q3)
Jan 2027	Q4 2026 QAR and Appendix 4C
Feb 2027	Annual result and investor update (Q4)

Note: Dates and times are AET and subject to change.

More on BrainChip

BrainChip communication channels and socials

* ASX (ASX:BRN) – Financial and operational updates, material disclosures

in [LinkedIn](#) – Key updates, awards, partnerships

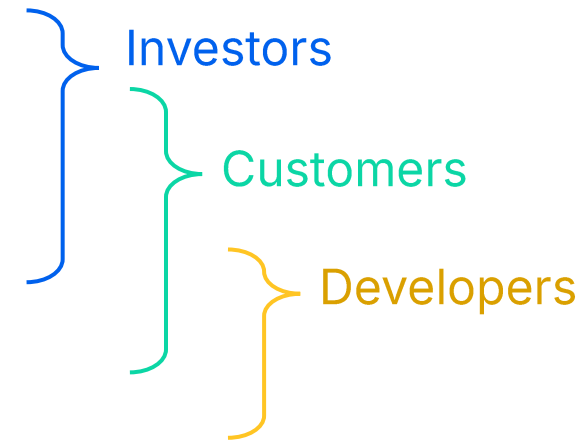
📷 [Instagram](#) – Key updates, awards, partnerships, videos

* Podcast ([Apple](#), [BrainChip website](#)) – BrainChip updates, investor questions answered

 [YouTube](#) – Experiments, podcasts (investor and product)

✂ [X](#) – BrainChip industry events, updates, demonstrations

 [Discord](#) – Developer discussion groups



Other communications

* Media releases - brainchip.com/media/

* Product events - brainchip.com/events/

* Product demonstrations - brainchip.com/videos-podcasts/

* Podcasts (investor and product) - brainchip.com/podcast/

* Webinars - brainchip.com/webinars/

Connect

Contact us at IR@brainchip.com
to be added to our mailing list.

Glossary

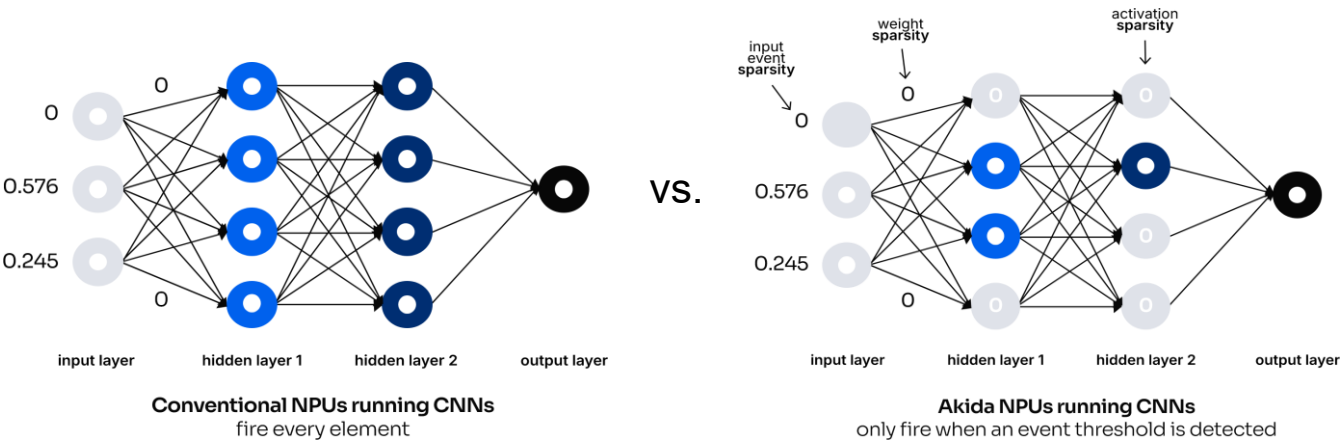
ASIC	Application-Specific Integrated Circuit
BLE	Bluetooth Low Energy
CNNs	Convolutional Neural Networks – traditional image processing that is computation heavy
CPU	Central Processing Unit – the ‘Brain’ of a computer
Edge	Outer-most boundary of a network – a device or sensor – that receives inputs
Edge AI	Edge computing using neural networks - the processing of information received at the Edge (device or sensor), rather than sending to the cloud (data centre) for processing
Foundry	Specialized manufacturing plant that builds integrated circuits and microchips designed by other companies
FPGA	Field-Programmable Gate Array – customisable integrated circuit chip that you can program and re-program. BrainChip has developed an FPGA with Akida 2 IP
GPU	Graphics Processing Unit – specialized electronic circuit running in parallel to CPU for high-performance computing, deep learning and AI
KWS	Key Word Spotting e.g. a wake word like “Hey Siri”, “Alexa”
Neuromorphic	Neuro (‘brain’) – morphic (‘shaped’). Intelligence that is brain like, and event-driven, not processing everything. Enables very low power usage
NPU	Neural Processing Unit – specialized computer chip designed to handle AI
OEM	Original Equipment Manufacturer – typically used for parts used in another party’s finished product
RTL	Register Transfer Level – a foundational step in chip design and allows engineers to test, simulate and optimise designs for power, performance and area (PPA)
SoC	System on a Chip – functions as an entire computing system on a chip – can include CPU, GPU, memory controllers, Wi-Fi radios and AI processors
SWaP-C	Size, Weight and Power (and Cost/Cooling) – Key performance optimisation indicator for computing hardware
Tape out	The final stage of silicon chip design – where the blueprint is sent to a Foundry for physical silicon fabrication
TENNs	Temporal Event-based Neural Networks – lightweight AI architecture designed for edge devices with significantly lower computational processing compared to CNNs
TOPS	Tera Operations Per Second – the measure of computing power of a chip / also GOPS (Giga Operations Per Second)

Real-Time Intelligence That Never Sleeps

How Akida Stays Always-On

- Quantization
- Near-memory compute
- Event-based sparsity

Our key differentiator: event-based sparsity that does more with less.



What That Buys You

1+ year
Always-On Operation On a Battery

- mW Ultra-Low Power
- 10X Computational Efficiency
- <10 ms Real-Time Response

Your Data Never Leaves the Device

Conventional AI has to send data somewhere to be useful.

Akida doesn't — every inference runs on-chip, at the point of sensing.

Where the Data Goes

Cloud-Dependent AI



Every transit is a vulnerability. Every hop is a compliance liability.

Akida — Inference On-chip



No data leaves the device — ever.

The Result?

Zero

Data Transmissions Off The Device



<1W

Inference Power



Sub-ms

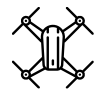
On-Chip Latency

Non-negotiable in defense, medical and implantable devices, communications, and critical infrastructure.

Private by architecture, not by policy — a hardware guarantee, not a software promise

Scalable Platform from IP to Solutions

platforms Reference Platforms	 Akida Comms	 AkidaTag	 Akida Radar			
tools Dev. Kits	 AKD1500 M.2 Card	 AKD1500 PCIe Card	 AKD1500 Raspberry Pi 5 Dev. Kit	 AKD1000 M.2 Card	 AKD1000 PCIe Card	 AKD1000 Raspberry Pi 5 Dev. Kit
models Models	 See	 Hear	 Sense			
tools Tools	 metaTF	 metaONNX	 akida cloud			
chips Silicon	 AKD1500 Edge AI Co-Processor	 AKD1000 Edge AI SoC (System-on-Chip)				
cores License IP	 akida 1	 akida pico Low Power Core	 akida 2	 sequora		



Mobility

- * Multi-tech portfolio ideal for drones, ADAS, space, etc.
- * Specialized models in radar and Signal Intelligence
- * Early customer interest



Micro-Doppler Classification



Adaptive Target Recognition



Activity Detection



Wearables

- * Multi-tech portfolio ideal for wearables
- * Ultra-low power, always-on AI
- * Low-cost



Voice Assistance

- * Low-power and low-cost
- * Custom LLM with RAG demo
- * Use less memory bandwidth



See



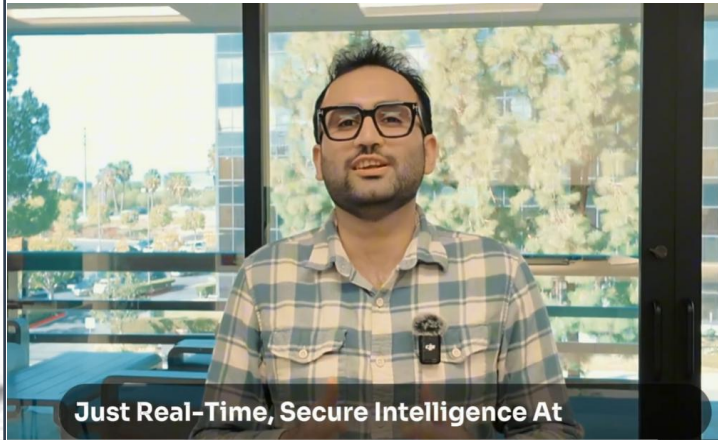
Radar Object Classification

Real-time drone detection and classification at the edge.

[Watch demo >>](#)

[Explore Solutions >>](#)

Hear



AkidaTag Keyword Spotting

Self-learning in keyword spotting, bringing intelligence to battery-powered devices.

[Watch Demo >>](#)

[Explore Solutions >>](#)

Sense



RF Signal Intelligence

Akida Communication Reference Platform brings ultra-low SWaP-C RF intelligence on-device.

[Watch Demo >>](#)

[Explore Solutions >>](#)

Why BrainChip? Trusted By Industry Leaders

Semiconductor, software, supply chain and AI leaders turning Akida from licensable core into a production system

IP Technology

CPU and processor IP validated with Akida



Solutions Enablement

Models, tools and applications built on Akida



Silicon Integration

Akida IP into custom silicon and foundry flows



OEM Integration

Akida built into edge hardware and systems



Industry Organizations & Universities

Standards bodies and research collaborations



* ForwardEdge ASIC is a Lockheed Martin subsidiary.

Resources



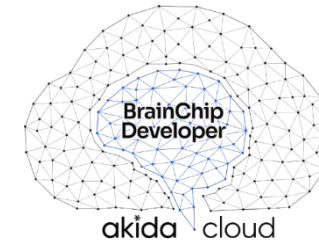
Developer Resources

- * **User Guide & Data Sheet**
- * **BrainChip University**
- * **Models**
- * **Downloads**
- * **Tools**



Developer Kits

- * See BrainChip product offerings including **boards**, **cards**, and **boxes**.
- * Integrate event-based **neuromorphic AI** into your next design.



[Register Now](#)

Akida Cloud

- * Run **Akida** just like a chip on your bench.
- * Test, benchmark, and validate your AI models in **Akida Cloud**.



Akida TAG

What It Is

Ultra-low-power neuromorphic AI module with BLE connectivity
Runs multiple AI models entirely on-chip, battery powered - no cloud
Powered by BrainChip AKD1500 processor and Nordic nRF5340 SoC

Target Applications

- * Keyword Spotting : voice wake and command
- * Edge Learning on KWS (Key Word Spotting)
- * Human Activity Recognition : Fall vs ADL (Activities of Daily Living)
- * Visual Wake Word : Person / No Person
- * Watch Activity Detection

Product Status

- * 10 fully functional AkidaTag boards prototypes on hand
- * 250 for production, 10 pre-orders, 30 brochure requests
- * 2K targeted e-mails sent, high click rate

Roadmap to Market

- * Q3/4 2026: 15 eval units to beta customers across 3 global sites
- * Nov 2026: 250-unit production build (full assembly with enclosure)
- * Go to Market: Q4 2026



Drone detection system on the edge

What It Is

An end-to-end radar + AI platform that enables real-time target classification on low-power edge hardware. The platform integrates radar signal processing, micro-Doppler feature extraction, and neuromorphic AI inference into a single deployable system running on Raspberry Pi-5 + AKD1500

Target Applications

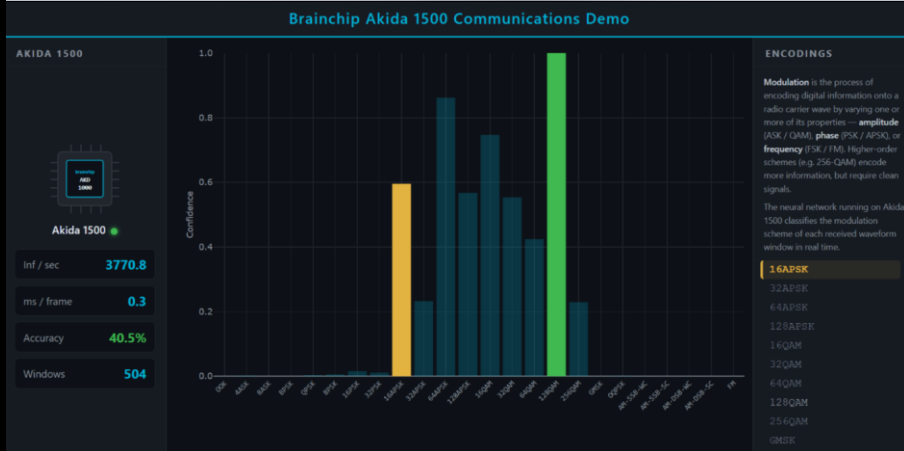
- * Drone vs bird classification and airspace awareness
- * Human activity recognition (fall, motion, presence)
- * Industrial monitoring (Vibration analysis, machinery health monitoring)
- * Automotive sensing (occupancy, gesture, safety, autonomous driving)
- * Smart environments (security, intrusion, monitoring)

Product Status

- * Webinar presentation held Apr-26
- * Demonstrating full pipeline: radar → AI → classification
- * Demonstrated live at Microelectronics US event Apr-26

Roadmap to Market

- * Integrate additional radar AI capabilities (CFAR, beamforming, SAR)
- * Partner with defense and commercial customers for field validation
- * Transition from reference platform to customer product designs



Comms Reference Platform

What It Is

Compact, ultra-low-power, event-based signal analysis reference platform for real-time RF waveform classification. Powered by BrainChip AKD1500 NPU with 70 MHz–6 GHz SDR front-end.

Target Applications

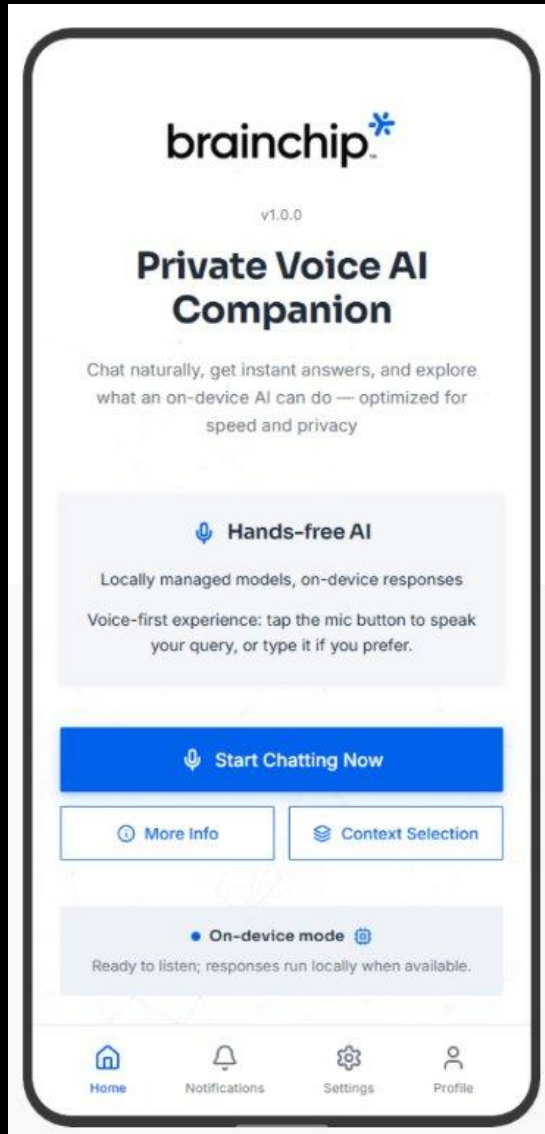
- * Spectrum Monitoring & Signal Intelligence (SIGINT)
- * Electronic Warfare: Classify & Retransmit
- * Threat Detection & Modulation Classification
- * UAV / Airborne RF Awareness
- * Interference Detection

Key Specifications

- * 70 MHz – 6 GHz frequency range
- * 2.8 M Samp / Sec continuous BW, 50M Samp / Sec Burst BW
- * Low SWaP_C implementation
- * Raspberry Pi 5 host

Platform Roadmap

- * AKD1500 hardware demo (current)
- * AKD2500 MPW demo (Future)
- * Sequora: TENNs & SSM inference (Future)



Private Voice Assistant

What It Is

TENNs model Voice Assistant running on a mobile phone without connection to internet. LLM models using Akida GEN 3 model, showing latency and performance for edge applications.

Target Applications

- * Private Voice Assistant Fully Functional on Android
- * Mobile app uses same models that will run on Gen3 core

Key Specifications

- * Automatic Speech Recognition: TENNs: SSM-based, fp32, 41M/480MB
- * RAGLLM (SSM-based, 1.2B/2.5GB fp16)
- * Text to Speech (TTS): fp32 (326MB) --best quality, fp16 (163MB), int8 (88MB), Configurable styles/speed, speech/text, improvements with sentence-based inference

Platform Roadmap

- * Improve mobile chip support and stability with 8GB memory footprint
- * Improve tokens/sec performance with software/model optimization targets
- * Develop Google Play application for evaluation/listing/download



brainchipTM *



Brainchip.com

investor.Brainchip.com



Troy Dahms

Head of Investor Relations and
Financial Communications

IR@Brainchip.com