

Business Reporter: Laying the foundation for a new era of embedded AI

How edge AI, heterogeneous silicon and scalable Risc-V compute are bringing intelligence directly into everyday devices

LONDON, UNITED KINGDOM, August 31, 2026 /EINPresswire.com/ -- In an article published on Business Reporter, MIPS talks about how AI is shifting computing away from centralised cloud environments towards intelligent systems that can sense, think, act and communicate in real time, creating a future where embedded AI is everywhere. AI agents are at the centre of this transition, evolving from cloud-based assistants into embedded systems that are always-on and operate directly within devices. By processing information locally, agents can respond to their surroundings in real time, maintaining context without relying constantly on cloud connectivity. They are becoming the software layer that bridges perception and action, enabling machines to interpret sensor data, make decisions and respond autonomously.

This shift is being enabled by advances in edge computing, AI and heterogeneous silicon, which combine different types of processing capabilities to support increasingly demanding workloads. As agents become embedded across robotics, vehicles, aerospace applications, industrial systems, appliances and infrastructure, scalable compute platforms will be essential for delivering the performance, efficiency and reliability required for continuous AI processing. The long-term impact will be significant, with intelligent physical AI built on MIPSs becoming as commonplace in devices, as operating systems and microcontrollers are today. However, achieving this vision requires compute architectures designed for the demands of embedded AI, including deterministic performance, low power consumption and reliability.

MIPS is addressing these requirements with scalable, customizable compute IP built for the physical AI era. Its processor technology gives developers the flexibility to tailor compute architectures to specific workloads, balancing performance, power efficiency and real-time responsiveness. This approach can help accelerate the deployment of intelligent systems across a wide range of applications, while providing the scalability needed as AI workloads continue to evolve. To learn more about how edge-native intelligence is bringing about a step change, [read the article](#).

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About MIPS

MIPS is accelerating compute density in the automotive, cloud and embedded markets. Giving customers the freedom to build unique products for specific workloads, MIPS' industry-leading cores are configurable, efficient and easy to implement. Its multi-threading methodology delivers advanced scalability and the ability to efficiently move and process data faster. The company's compute DNA spans more than two decades with billions of MIPS-based chips shipped to date.

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Business Reporter

Lyonsdown

+44 20 8349 6488

[email us here](#)

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