Low-Power Edge-AI Platform for Wearables and Sensor-rich Devices

REACT

For teams building sensor-driven, power-constrained devices, we provide a wireless platform that bridges the gap between prototype and production-making Edge-AI and sensor expansion simple, reducing hardware risk and accelerating time to market.

APPROACH

A Dual-Board Stack to decouple processing from sensing:

- Core Module 'The Brain' based on STM32WB55 SoC powering wireless connectivity, battery management, and dedicated debug/programming ports
- Baseboard 'The Body' with extended board to board connection

BENEFITS

- Product changes do not trigger new hardware cycles – enabling sensors or baseboards changes without redesigning the core compute
- Accelerated Development: On-board external memory and debugging tools allow for rapid Edge-AI model iteration and testing
- Power-First Design: Ultra-low-power wireless operation, extending battery life in always-on, sensor-rich devices

LOOKING FOR

- Sensor integrators to test and validate new wearable hardware on our platform
- Device manufacturers focused on extreme miniaturization and power profiling for rapid prototyping to develop use cases

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