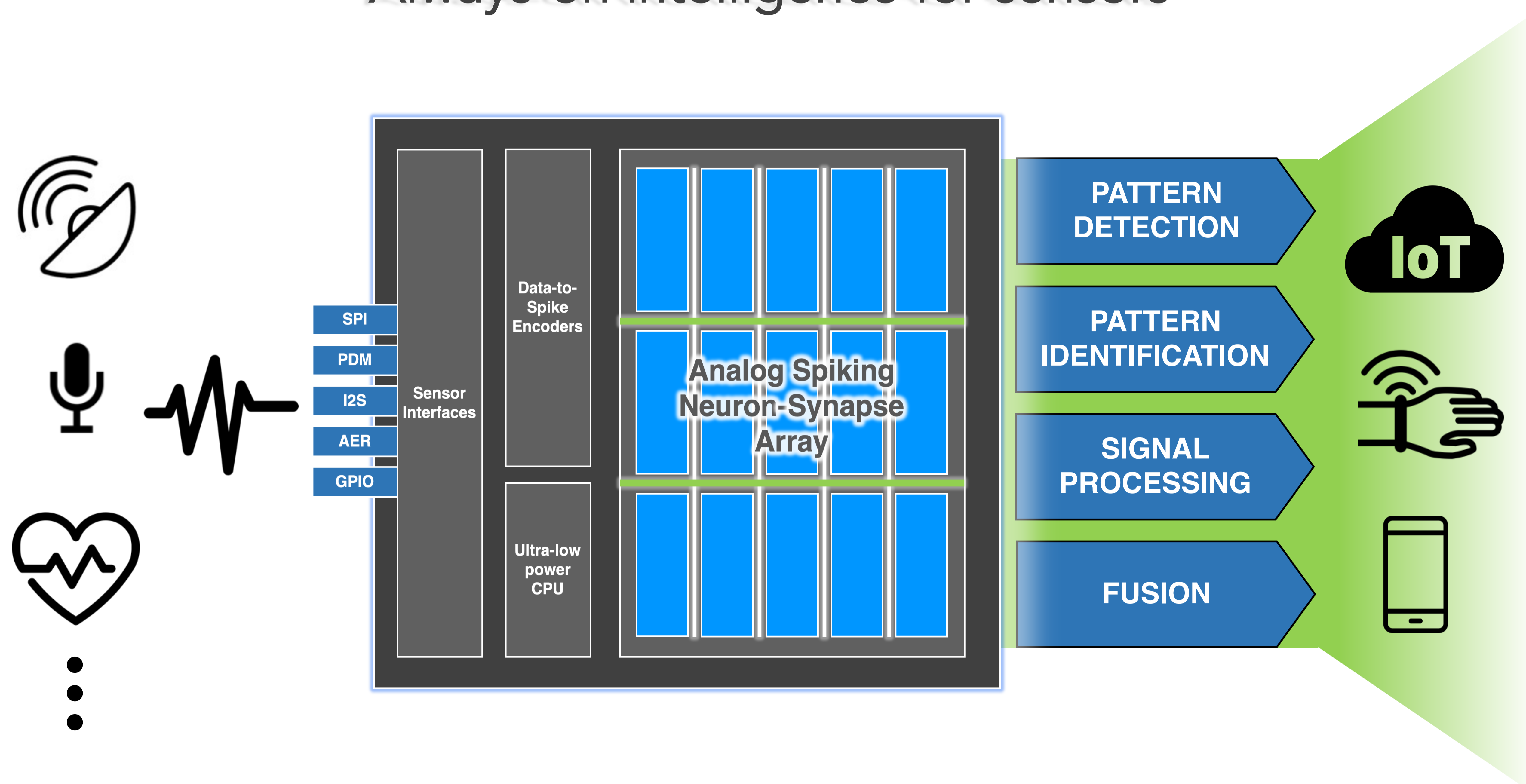


The Spiking Neural Processor (SNP) is an ultra-low power processor that brings intelligence closer to the sensor. Using a highly efficient analog-mixed signal neuromorphic architecture, it enables sensor data to be processed with **500x lesser energy** and **100x faster** compared to conventional approaches. The SNP unlocks breakthrough power-performance gains for always-on applications, allowing next-generation sensing functionalities even in battery-powered devices.

### Always-on intelligence for sensors



### BENEFITS



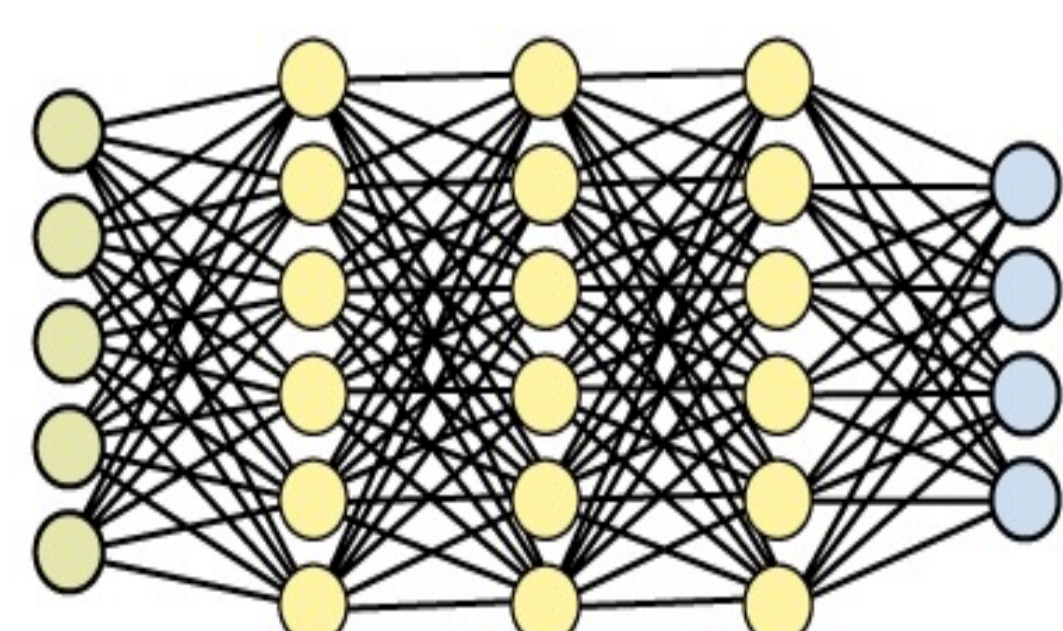
Always-on processing



100x faster recognition



500x lower energy consumption



On-device processing



PyTorch-based development flow



Fully programmable & reconfigurable