DIGITAL HEALTH

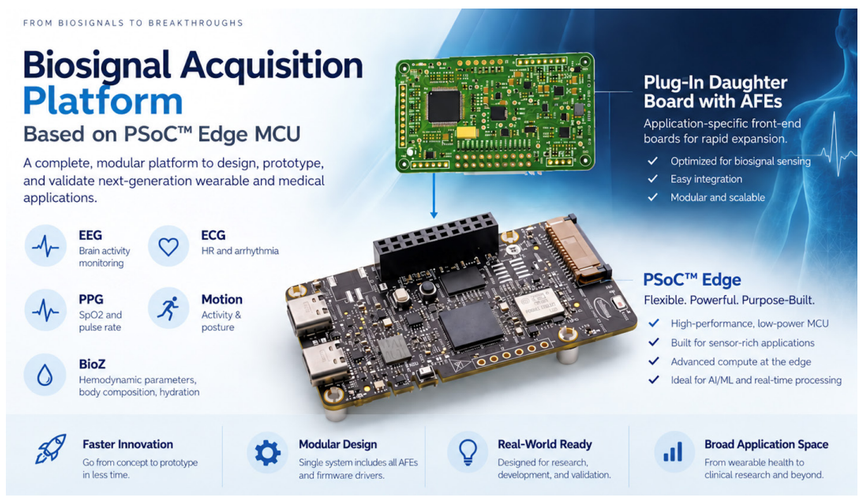
Blood pressure and sleep signals using edge AI

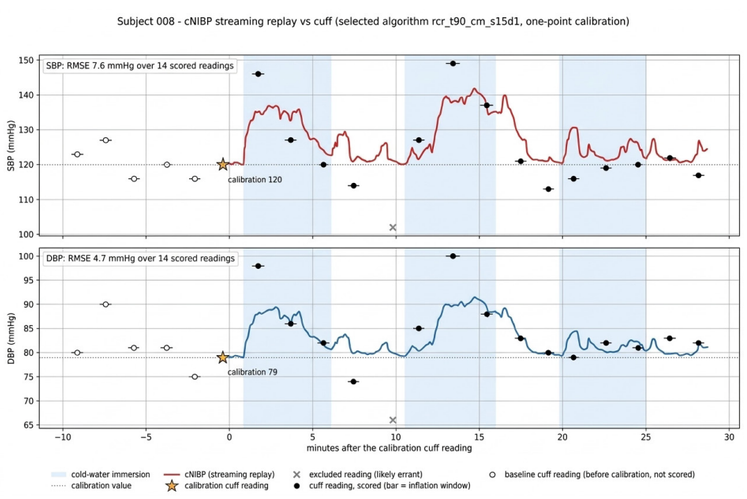
Haku Technology collaborated with us to develop a miniaturized, battery-powered platform that measures time-dependent physiological waveforms (e.g. ECG, PPG, BioZ, EEG, motion) and uses on-device linear regression algorithms and AI to compute blood pressure and other health metrics.

Benefits
- Characterization of patient physiology, sleep, and consciousness
- FDA-grade measurements (consumer health or medical applications)
- Edge AI advantages in latency, cost, cybersecurity

Highlight products
- PSOC™ Edge E84 MCU with edge AI
- FDA-submitted neural-network classifiers (~5x speed of competing products)

Applications
- Digital health and consumer wearables
- Wide variety of health tracking metrics (e.g. heart rate, SpO2, respiration rate, blood pressure, sleep stages, arousals, level of cognition, posture, and movement)





Scan for more information