

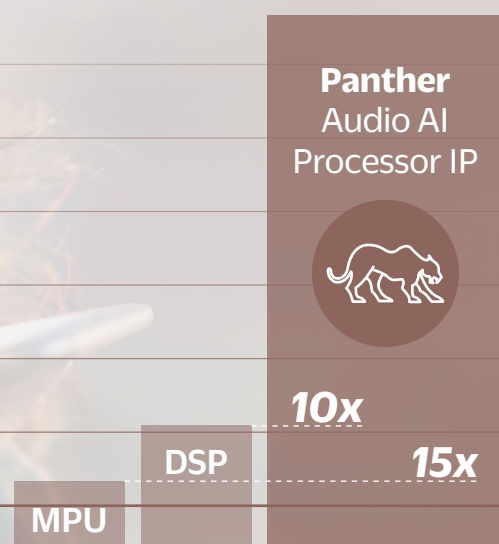


## Audio AI processor IP

### Immersive audio experience lasting days

Solving both the ML operator versatility and the energy-efficiency quandary

#### GOPS/W



# EASILY CONFIGURABLE CONVENIENTLY PROGRAMMABLE OPEN-SOURCE ISA

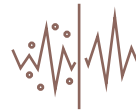
Deliver hours of enhanced sound experience without recharge



**Audio  
libraries\***



**Voice ID  
ML model**



**Noise reduction  
ML model**

## Libraries & ML models

Ready-to-use ML models to enable fast ramp up  
Software libraries\* for transparent software parallelization

## SDK (C & AI) designed for better user experience

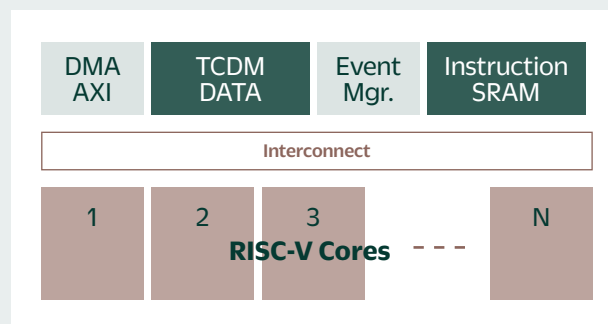
GCC/CMSIS-like approach to enable programming as a single core  
Export deployable AI code with a single click

## Scalable AI accelerator IP

Conveniently create contention-free & highly-parallel tasks  
2bits to 32bits integer & 32bits FP  
Over 50% MAC utilization. Fine grained power management

## Easy to program multi-core RISC-V based AI processor

Bringing audio processing, with optimized RNN/LSTM ML models, into the mW range



\* Planned for 2023



dolphin-design.fr