

# A New Era In Smartphone Innovation

Huawei's first mobile AI computing platform



## Open & Inclusive Ecosystem

Huawei's strategy is to work with developers to nurture a healthy and robust mobile AI ecosystem to create a new range of AI experiences



## Dedicated Neural Network Processing Unit (NPU)

New HiAI mobile computing architecture with a dedicated NPU, delivering AI Performance which far surpasses any CPU/GPU build. 25x the performance with 50x greater efficiency.\* In short: performs same AI quicker and with less power consumption (\*Compared to a quad-core Cortex-A73 CPU cluster)



## True Understanding

Devices powered by the Kirin 970 will be able to truly know and understand their users, while supporting real-time image recognition; intelligent photography and voice interaction with ease



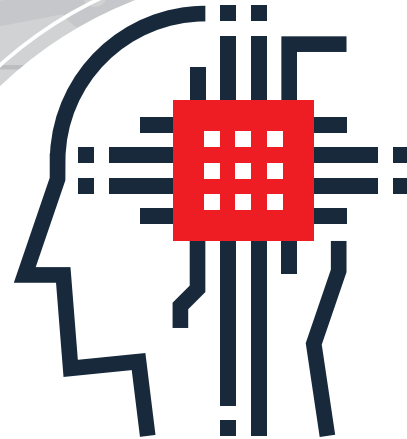
## Battery Life

50% improvement in energy efficiency means a much longer battery life



## Fast By Design

The Kirin 970 breaks through existing bottlenecks in mobile hardware, effectively redefining the collaborative relationship between devices and the cloud



# Kirin 970



The Perfect Complement

## Peak Performance

Built with the most advanced TSMC10nm process to give the best performance yet



## Tiny Transistors

5.5 billion transistors in a single square centimeter



## Packs A Punch

In an area roughly the size of your thumbnail, the Kirin 970 combines an octa-core CPU, a 12-core GPU, dual ISP, a high-speed 1.2Gbps Cat.18 modem, and an innovative HiAI mobile computing architecture



## Speedy Download

Able to reach peak download rates of 1.2Gbps



## Ultimate Gaming Experience

Graphics processing performance is 20% better than the previous generation



## Put to the test

In a benchmark image recognition test, the Kirin 970 processed 2,000 images per minute, which was faster than other chips on the market

