CVGesture

Performance Report

2017-10-19

OPEN AI LAB

Revision Record

Date	Rev	Change Description	Author
2017-10-19	0.1.0	Initial version	

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1 Purpose

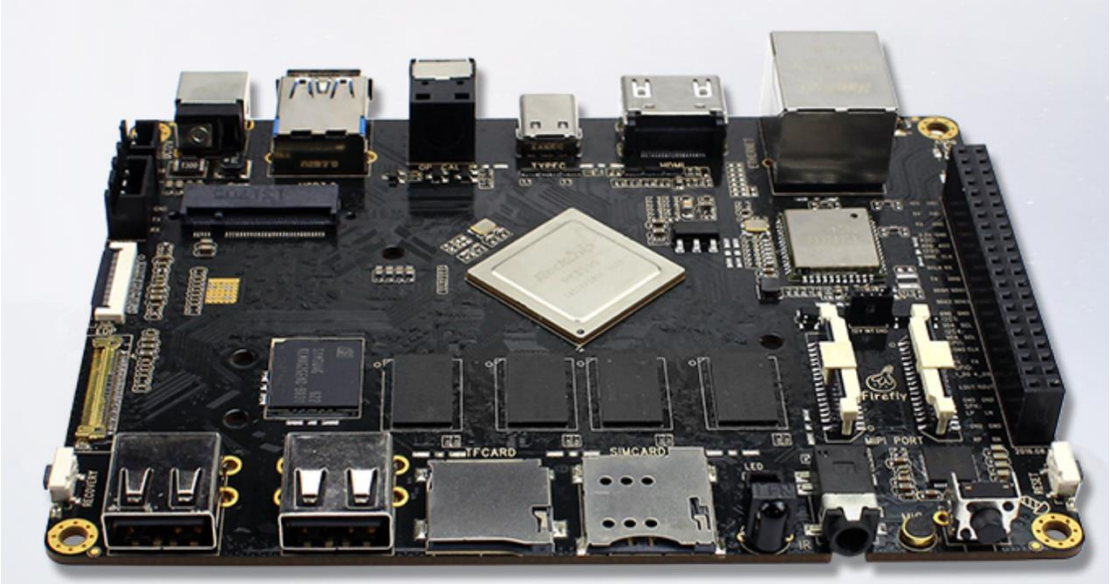
This Report is tested on RK3399 platform. The report includes CPU data..

2 Test Environment

Hardware SoC : Rockchip RK3399

- GPU: Mali T864 (800MHz)
- CPU: Dual-core Cortex-A72 up to 2.0GHz (real frequency is 1.8GHz); Quad-core Cortex-A53 up to 1.5GHz (real frequency is 1.4GHz)

Operating System : Ubuntu 16.04



3 Performance On Different Cores

Caclute the FPS(Frame rate Per Second) in five seconds, and print the result in terminal. Recognize two gestures: palm and fist.

FPS on different cores

	FPS
1xA53	6
1xA72	19
2xA72	23
4xA53	10
2xA72+4xA53*	9

4 Conclusion

From the above test cases, we can deduce that :

- the performance on 2xA72 is best, but only increase 21 precent versus 1xA72
- the preformance on 4xA53 increase 66 precent versus 1xA53
- the preformance on 1xA72 is 1.9X versus 4xA53

The algogrthim should run on A72, A53 can not meet the performance requirement.