

Core-3128J

Quad-core high performance core
board V1.1



T-chip Intelligent Technology Co.,Ltd.
www.t-firefly.com



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Company Profile

T-Chip Intelligent Technology Co., Ltd. was founded in 2005. It has more than 10 years of research and development experience in scientific and technological products, has 6 invention patents and more than 30 computer software copyrights, and is a national high-tech enterprise. We focus on the research and development, design, production and sales of open source intelligent hardware, internet of things and digital audio products, and provide the overall solution for intelligent hardware products meanwhile.



Firefly is a brand owned by T-chip Technology. It operates open source products, open source communities and online stores. It has a large number of enterprise users and developer users, and its products are well received by users. Firefly open source products include open source boards, core boards, industry mainboards, etc. The open-source board series is the recommended board card by chip original factory Rockchip and obtain the support of native SDK. The core boards and industrial mainboards are widely used in commercial displays, advertisement integrated machines, intelligent POS, face recognition terminals, internet of things, intelligent cities, etc. At present, there are more than 100,000 users, including over 2,000 enterprise users. And well-known users include ARM, Google, Baidu, Tencent, Alibaba, etc.

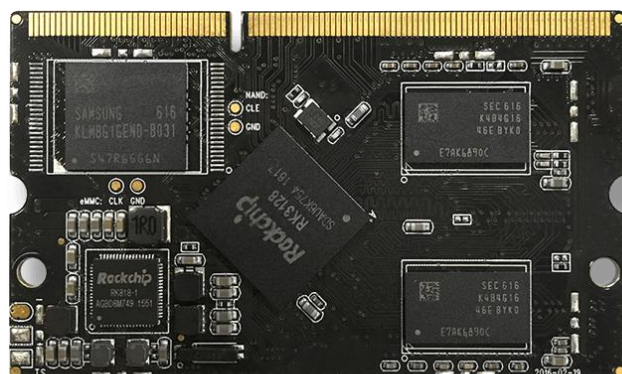
Firefly team has more than 60 research and development members and has the research and development capabilities in schematic design, PCB layout, mainboard production, embedded development, system development, application program development, etc., which accelerates the research and development process for many technology entrepreneurs and start-ups, and provides professional technical services..

" Make technology more simple, Make life more intelligent " is the idea of Firefly team. We hope to make the research and development of various technology products efficient and simple, and let intelligent technology integrate in our lives through the open source products and technical services of Firefly.

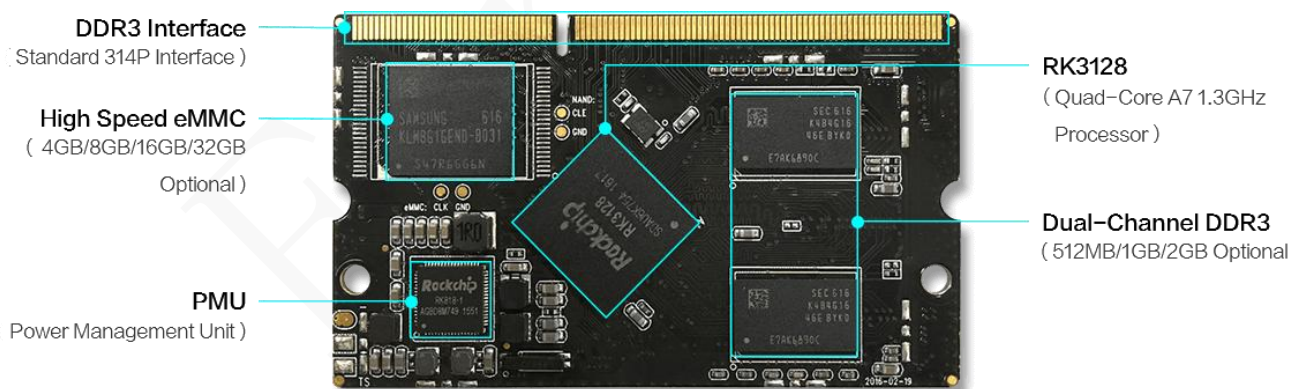
1. Product Overview

1.1 Overview

Core-3128J, as a high-performance core board based on quad-core Cortex-A7, adopts Rockchip RK3128 quad-core Cortex-A7 1.3GHz CPU and offers a variety of options for storage configuration. The users can only need to extend functional baseboard to quickly carry out project research and production. The core board is compact and delicate, with a size of only 67.6mm x 41mm, which can save more valuable space.



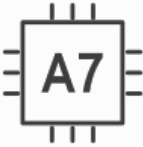

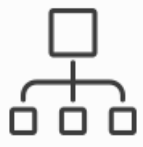


The core board is equipped with immersion gold (IMG) interface which is stable and reliable. The DDR3-204P interface can connect to all the chips, which best guarantees the data transmission and extensibility. The IMG pins are corrosion resistant, solid and reliable as is bolted.











The supporting source code, instruction manual, technical materials and development tools are available for download on the official website, and the development baseboards are available for purchase, making it easier to develop and learn.



1.2 Product Features

		
Strong Performance (quad-core A7, 1.3ghz CPU)	High Reliability (IMG precision board, with stable operation for 7x24 hours)	High Extensibility (extended interfaces, supporting mainstream screen)
		
Multi operating System (support Android/Ubuntu/Linux)	code opening source (SDK and related materials available)	

1.3 Application Scenarios

			
Amusement equipment	Commercial display	Medical / health equipment	Vending machines
			
mobile POS machines	Interactive printer	Smart robot	Industrial computer

8. Appendix

8.1 Source code acquisition

Please visit the official website "Resource Download": ([please click here](#))

8.2 Contact us



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