PRODUCT DATASHEET

R528 CORE BOARD

Allwinner R528-S3A | Dual-core Linux platform

01 Product Introduction

R528 is a high-performance Linux core board based on Allwinner R528-S3A dual-core processor.
It can be widely used in smart home, industrial display, voice control equipment, medical electronics and other products.

The core board is compact, with a size of only 38 × 32 × 3.0 mm, and adopts a 94-pin stamp hole design. The board has onboard WIFI and BT modules, and has online voice recognition/control and wireless audio input functions; it also provides rich peripheral interface support, such as RGB/MIPI/LVDS display, RMII Ethernet, USB, SDIO, UART, I2C, SPI, I2S, ADC, analog/digital MIC input, analog audio output, etc.

The core board system software is Linux 5.4, which can provide rich software and hardware development materials to support customers to quickly develop products, and can also provide customers with product customization development services.

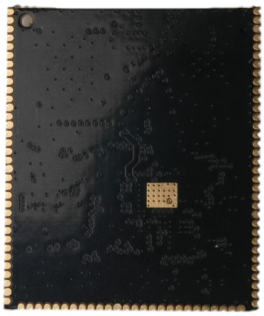
02 Product appearance



Top view



Perspective view



Bottom view

R528 Core Board

03 Hardware specifications

Processor	Allwinner R528-S3A dual-core CPU, standard operating frequency 1.2 GHz, maximum operating frequency 1.6 GHz
Memory	Standard 128 MB DDR3 SDRAM, supports 256 MB customized version