

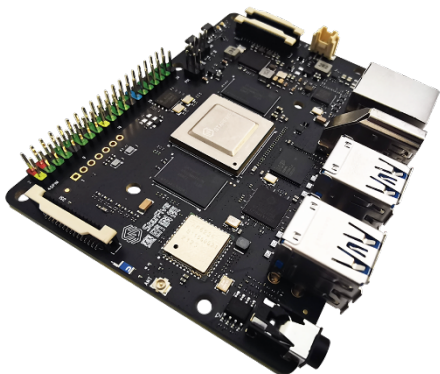
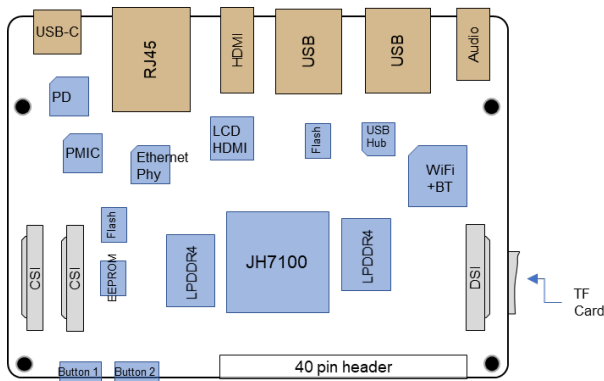
VisionFive

The first generation of affordable RISC-V boards designed to run Linux.

Introduction

VisionFive is the world's first generation of affordable RISC-V board designed to run Linux. Based on the RISC-V architecture, VisionFive pushes open-source to the next level and gives developers more freedom and power to innovate and design industry-leading solutions.

VisionFive



Specifications

Processor

- U74 Dual-Core

Operating System

- Linux

Memory

- 8GB LPDDR4

Video Processing

- Video Encoder/Decoder (H264/H265) up to 4K@60FPS
- Dual channels of ISP, each channel support up to 4K@30FPS
- 2 x MIPI-CSI, 1 x MIPI-DSI
- 1 x HDMI 1.4 (up to 1080P@60FPS)
- Support MIPI-CSI TX for video output after ISP and AI processing
- JPEG Encoder/Decoder

Peripherals

- 4 x USB3.0 Ports
- 1 x Gigabit Ethernet
- 1 x 3.5mm Audio jack
- Support TRNG and OTP
- Support DMAC, QSPI and other peripheral
- 40 Pin GPIO Header (28 x GPIO, I2C, I2S, SPI, UART)
- MicroSD card slot for operating system and data storage
- 1 x 2.4GHz Wi-Fi and Bluetooth 4.2
- 1 x Reset button and 1 x Boot button

Dimensions

- Size: 2.5inch
- Length: 100mm
- Width: 72mm