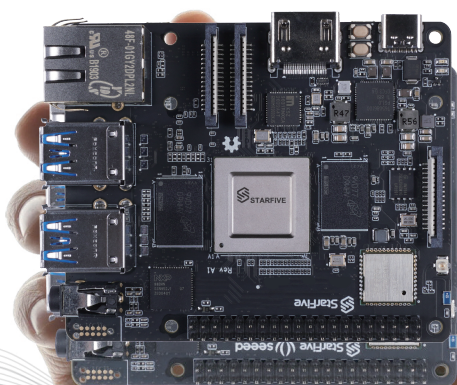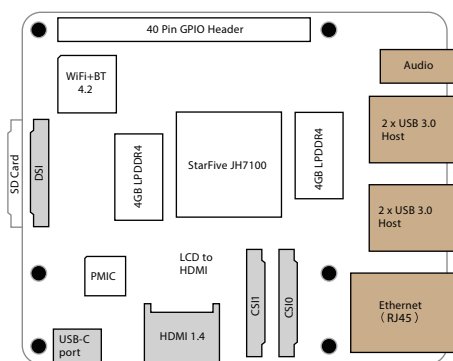# StarLight

The first affordable RISC-V computer designed to run Linux.

Introduction

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

StarLight

Specifications

Processor

• U74 Dual-Core

Operating System

• Linux

Memory

• 4GB LPDDR4/8GB 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

• Length：86.9mm
• Width：70mm