RISC-V Raspberry Pi Rival

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The BeagleV was supposed to be one of the first affordable single-board computers with a RISC-V processor. But the board, which was introduced in January, never went into mass production and the whole project was cancelled in July.

But now StarFive has unveiled a new single-board computer with similar specs but a slightly different design. It?â€™s called the VisionFive V1, and it?â€™s a 3.9? x 2.8? computer board powered by a 1.5 GHz dual-core SiFive U74 processor based on RISC-V architecture.

A RISC-V Raspberry Pi rival is about to hit the market | TechRadar [3]
Although StarFive hasn’t yet announced a release date, according to Liliputing, the VisionFive V1 will retail for $149.

The SBC, which measures slightly larger than the Raspberry Pi 4, will be powered by the 1.5 GHz dual-core SiFive U74 RISC-V processor, together with 8GB of LPDDR4 RAM. There’s a micro SD card slot for storage, HDMI 1.4, gigabit Ethernet, 3.5mm audio out, 4 x USB 3.0 Type-A ports, and a Type-C for power.

There’s also Wi-Fi 4 and Bluetooth 4.2, and the board features a 40-pin GPIO header along with two MIPI connectors for connecting compatible cameras and other accessories.

Liliputing says the board will ship with support for Fedora Linux, as well as other operating systems including Yocto, Buildroot, FreeRTOS, and Zephyr. The distro reportedly plans to add support for other operating systems in the future. Also on the horizon is a quad-core variant, the VisionFive V2, though we’ll wait for V1 to hit the shelves before getting too excited.