

INDUSTRIAL PRODUCT DATASHEET

Quantum Tiny Linux Development Kit – With SoM and Expansion Board

Ultra-small Quad-core Cortex-A7 Linux development kit with rich peripherals, ideal for personal servers, voice assistants, and robotic development.

SKU

114992462

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PRICE

\$58.00(Excl. VAT)



Overview

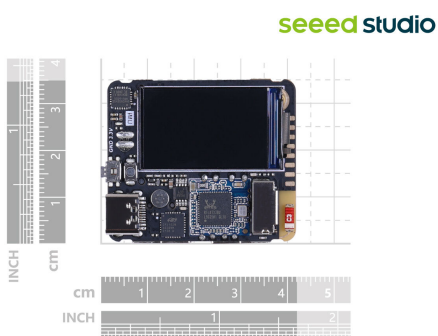
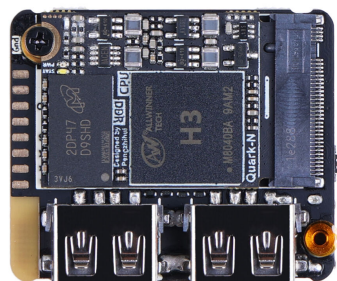
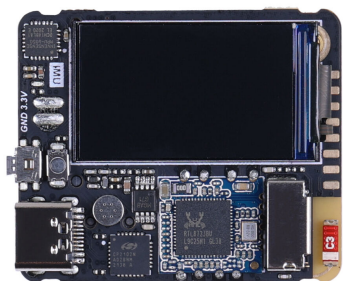


The Quantum Tiny Linux Development Kit features a 31mm x 22mm Quad-core Cortex-A7 Linux SoM and a 40mm x 35mm expansion board with a microphone, gyroscope, accelerometer, buttons, and TFT display. It provides a complete ARM-Linux system for advanced development, supporting custom baseboard design via M.2 and applications such as personal servers, voice assistants, and robotics.

Key Features

- Ultra-small (**31mmx22mm**) and highly integrated Quad-core Cortex-A7 Linux SoM (System on Module)
- Expansion board (40mmx35mm) with rich peripherals and interfaces: Microphone, Gyroscope, Accelerometer, 4 x Buttons (GPIO-KEY, Uboot, Recovery, Reset) and a TFT display
- Integrates a complete ARM-Linux system for advanced development
- Ability to design your own baseboard due to the **M.2 interface**
- Wide range of applications such as a personal server, intelligent voice assistant, and robotic development.

Product Gallery



Specification

Specification	Details
Quark-N SoM	
CPU	Allwinner H3, Quad-core Cortex-A7 @ 1GHz

Specification	Details
GPU	ARM Mali400 MP2 GPU
Memory	512MB LPDDR3 RAM
Storage	16GB eMMC
Interfaces	Ethernet, SPI, I2C, UART, Reusable GPIO, MIC, LINEOUT
GPIO	2.0mm pitch 26 pin-header, include USB OTG, USB-Serial, I2C, UART, SPI, I2S, GPIO
PCB	6-layer high-density immersion gold design
Working temperature	0-80°C
Size	31mmx22mm
Atom-N Expansion Board	
Slot	M.2 interface for Quark-N
USB	USB 2.0x2 USB Type-Cx1
Wireless connectivity	RTL8723BU: Wi-Fi: IEEE 802.11 b/g/n @2.4GHz Bluetooth: BT V2.1/ BT V3.0/ BT V4.0
Onboard Peripherals	1 x Microphone 1 x MPU6050 motion sensor (gyroscope + accelerometer) 4 x Buttons (GPIO-KEY, Uboot, Recovery, Reset) 1 x TFT display
External Storage	Micro-SD card slot
Size	40mm*35mm

Applications

- **Microcomputer**
- **Personal website server**
- **Programming learning such as Python**
- **Image processing**
- **Robotics**
- **Voice assistant**
- **Smart home hub**

Compliance & Logistics



HSCODE	8517180050
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EUHSCODE	8543709099
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Quantum-Mini-Linux-Development-Kit-p-4749.html>

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