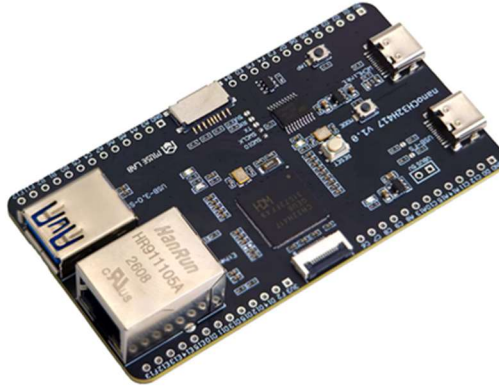


nanoCH32H417 Development Board

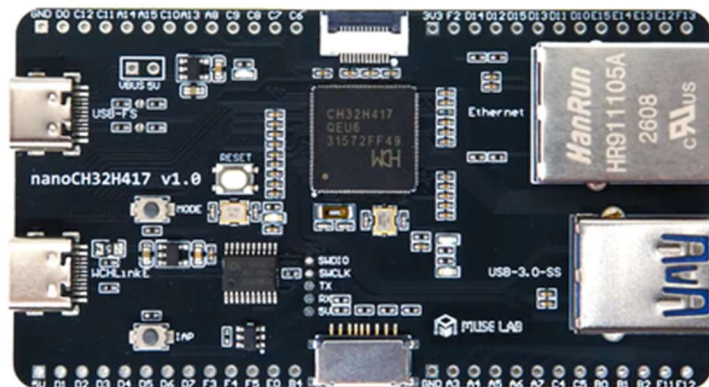
nanoCH32H417 Development Board WCH RISC-V Dual TYPE-C Interface USB 3.0 Super Speed 5Gbps 100Mbps Ethernet Open Source

Designed by [MuseLab](#) in China



Introduction

nanoCH32H417 is a development board made by MuseLab based on WCH CH32H417QE06 with Dual TYPE-C USB interfaces, USB 3.0 5Gbps and 100Mbps ethernet, LCD interface and SD card interface onboard, programmed through the onboard debugger WCHLinkE, which is convenient for prototype verification and development.

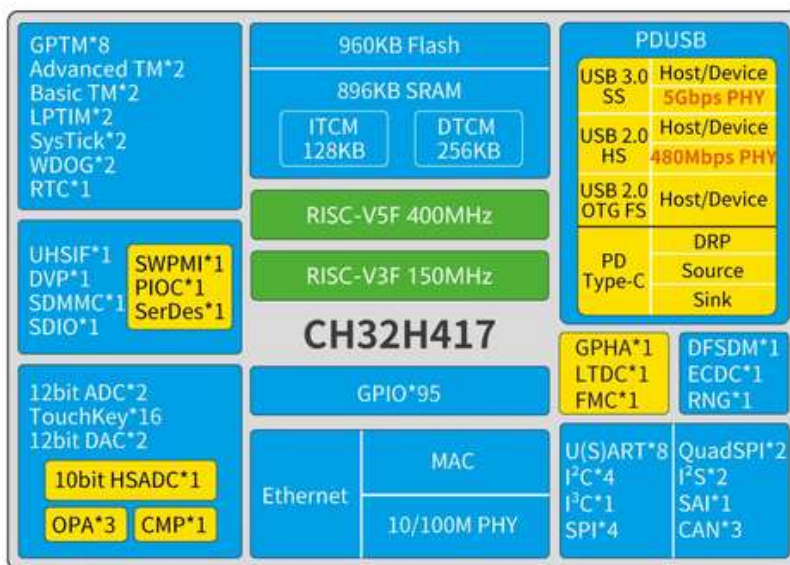




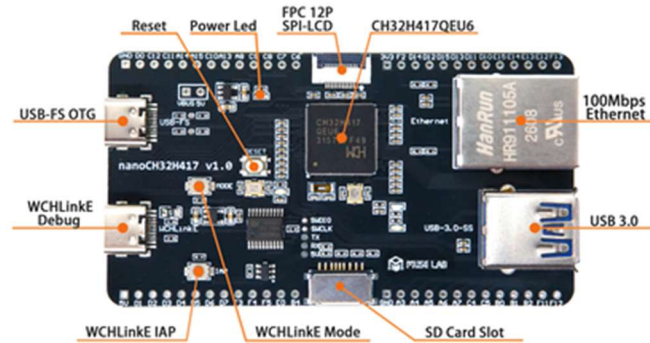
Features

- Onboard WCHLink-E support SWD debug and serial port
- USB 3.0 5Gbps super speed interface
- USB 2.0 OTG interface, support PD
- FPC-12P cable connector, which can support common LCD (such as ili9341, st7789, etc.)
- SD card slot, which supports SD card reading and writing (SDIO protocol)

Chip Resources



Diagram



Documentation

- <https://github.com/wuxx/nanoCH32H417>

Shipping List

- Kit 1: nanoCH32H417 Development Board * 1 + 13 Pin Header * 4
- Kit 2: nanoCH32H417 Development Board * 1 + 13 Pin Header * 4 + 1 Meter TYPE-C Cable
- Kit 3: nanoCH32H417 Development Board * 1 + 13 Pin Header * 4 + 1.54 inch Screen (240 x 240)
- Kit 4: nanoCH32H417 Development Board * 1 + 13 Pin Header * 4 + 1.54 inch Screen (240 x 240) + 1 Meter TYPE-C Cable
- Kit 5: nanoCH32H417 Development Board * 1 + 13 Pin Header * 4 + 0.5 Meter USB 3.0 TYPE-A Cable
- Kit 6: nanoCH32H417 Development Board * 1 + 13 Pin Header * 4 + 0.5 Meter USB 3.0 TYPE-A Cable + 1 Meter TYPE-C Cable
- Kit 7: nanoCH32H417 Development Board * 1 + 13 Pin Header * 4 + 0.5 Meter USB 3.0 TYPE-A Cable + 1.54 inch Screen (240 x 240) + 1 Meter TYPE-C Cable

- [Source Code](#)
- [Documentation](#)
- [Design Files](#)

