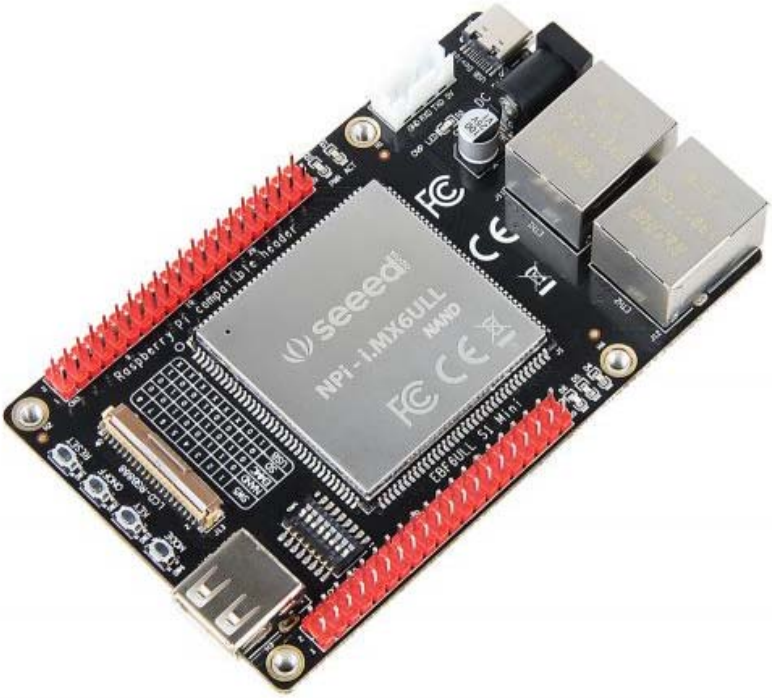


NPi i.MX6ULL Dev Board - Linux SBC - NAND Version

SKU 102991305

The NPi i.MX6ULL Dev Board is a low power consumption Linux single board computer built around the powerful NXP i.MX6ULL

Greetings to the new i.MX6ULL ARM Cortex A7 processor from NXP, it is a high performance and power-efficient processor with a frequency up to 800MHz!

The NPi i.MX6ULL Dev Board is a low power consumption Linux single board computer built around the powerful **i.MX6ULL**. You would love the onboard 512MB DDR3L and 256MB NAND, not to mention the rich interfaces and I/O resources.

At the same time, we provide you with a wealth of software resources. You can find debian/ubuntu/yocto and system distribution images here. Meanwhile, we also provide lots of Pi hats kernel and application layer. Hence, you can put your favorite Pi hat directly into this board to use. Most of SeeedStudio Pi Hats can work with NPi i.MX6ULL Dev Board (except ReSpeaker 6-Mic Circular Array Kit for Raspberry Pi and ReSpeaker 4-Mic Linear Array Kit for Raspberry Pi). You can also use our Grove base PI Hat to prototype whatever you like with Grove modules. Please follow us on Github for the latest software updates.

The whole board is made by a core module and a breakout board, and the components are all industrial grade.

The core module is composed of the i.MX6ULL core and 512MB DDR3L, 256MB NAND FLASH(or 8GB eMMC). In fact, depending on the Flash, the NPi i.MX6ULL Dev Board can be divided into two different Version.

- NPi i.MX6ULL Dev Board - 8G eMMC Version
- NPi i.MX6ULL Dev Board - 256MB NAND FLASH Version

The breakout board mainly includes various peripheral interfaces and input and output, IO expansion. Including but not limited to two 100M ethernet port, one USB Host and one USB OTG port, one 24bit RGB LCD Interface, 2x 40 Pin I/O expansion header, etc. Such a wealth of resources will meet your various control needs. All those features make it a perfect solution for industrial control, rail transit, drone control, and audio output, etc.

Features

Core Module

- CPU: NXP MCIMX6Y2CVM08AB
- Frequency: up to 800Mhz
- DDR3L: onboard 512MB
- Flash: onboard 256MB NAND
- Operating temperature: -40℃ ~ 80℃

Attention

The operating temperature here refers specifically to the Core module, and the temperature range of the Breakout Board is narrower. We have not tested the specific temperature range of the Breakout Board.

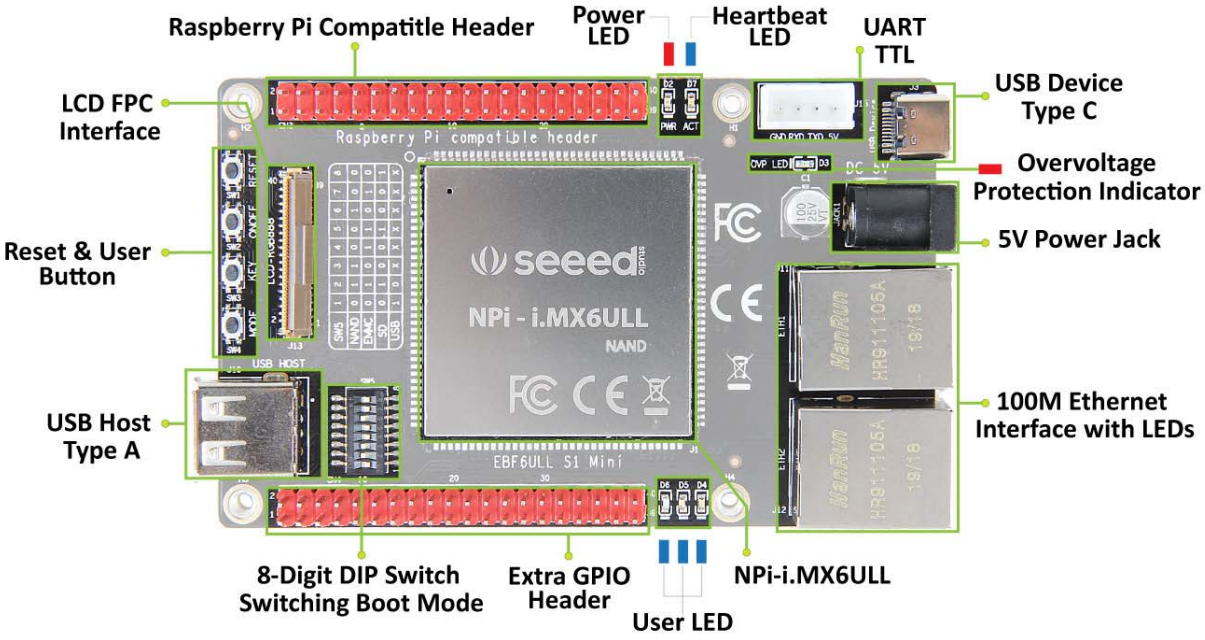
Breakout Board

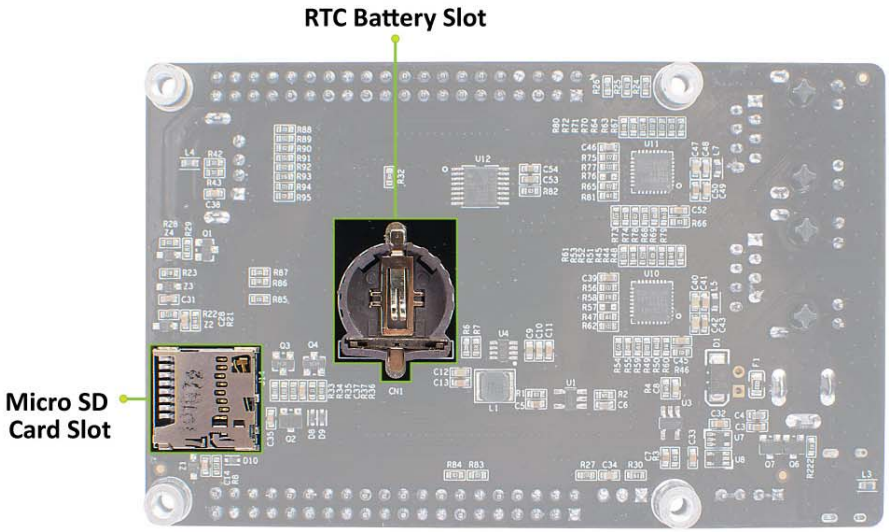
- Ethernet: 2 x 100M ethernet port
- Power: 5V±2% DC jack
- Display: FPC LCD interface (including 24 bit RGB and I2C touch control)
- USB Host: 1 x USB Host Type A
- USB OTG: 1 x USB OTG Type C
- RTC: 1 x RTC battery slot
- SD Card: 1 x micro SD card slot
- User LED: 3 x LED
- Key: 4 x multifunction key
- Switch: 8-digit DIP switch, switching boot mode - USB/NAND/eMMC/SD
- IO: 2 x 40pin header

Hardware Overview

Interface

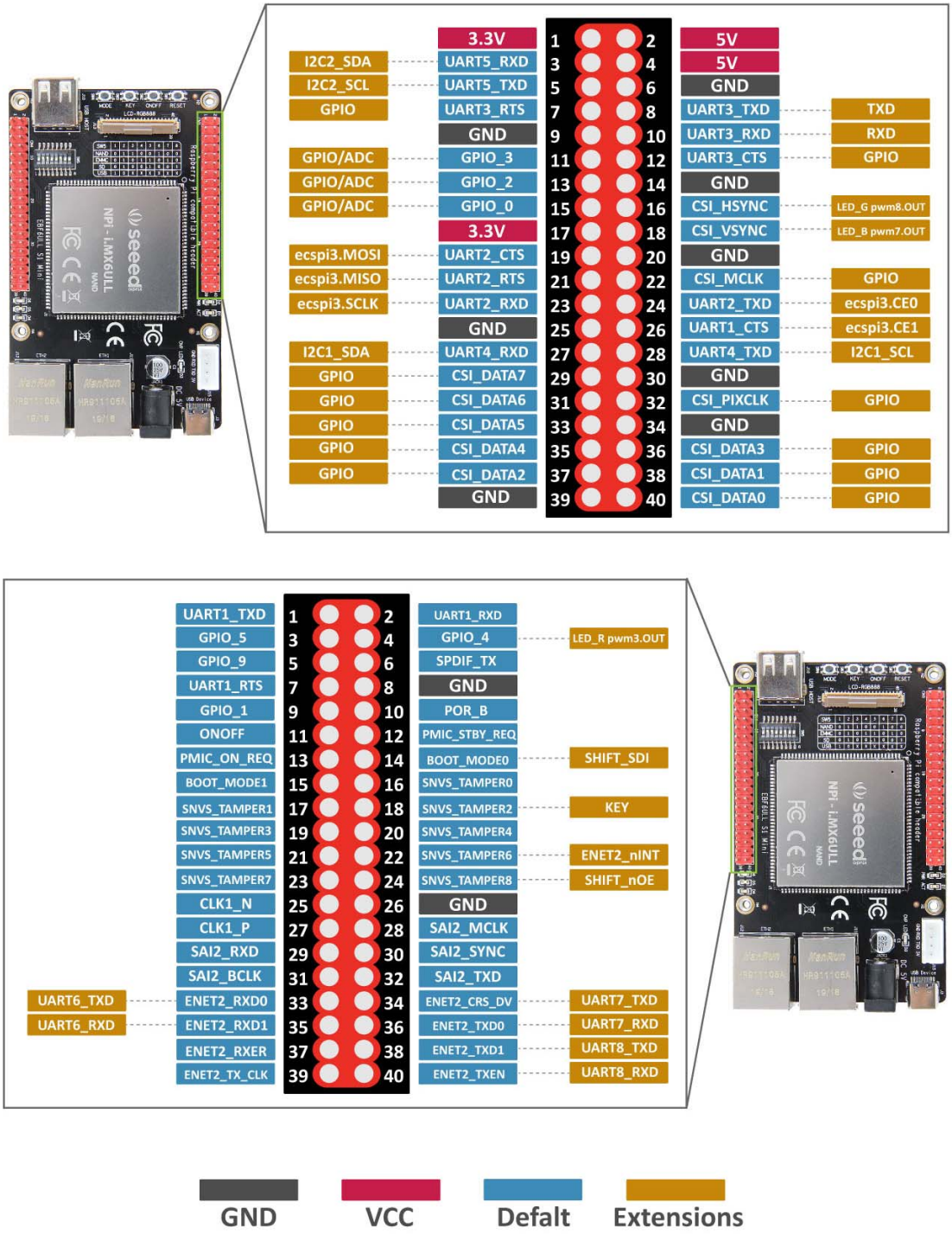
Click to view the original file.





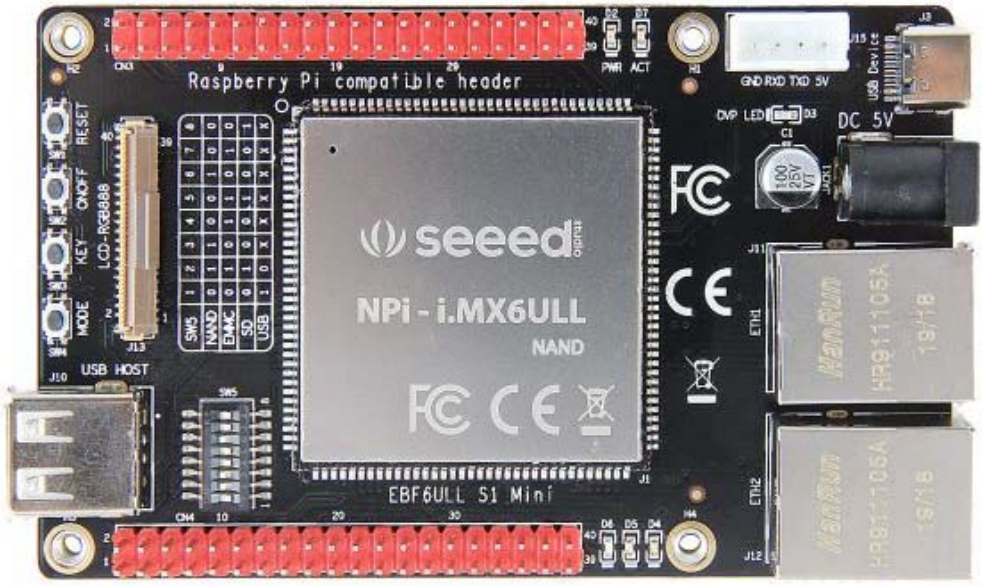
Pinout

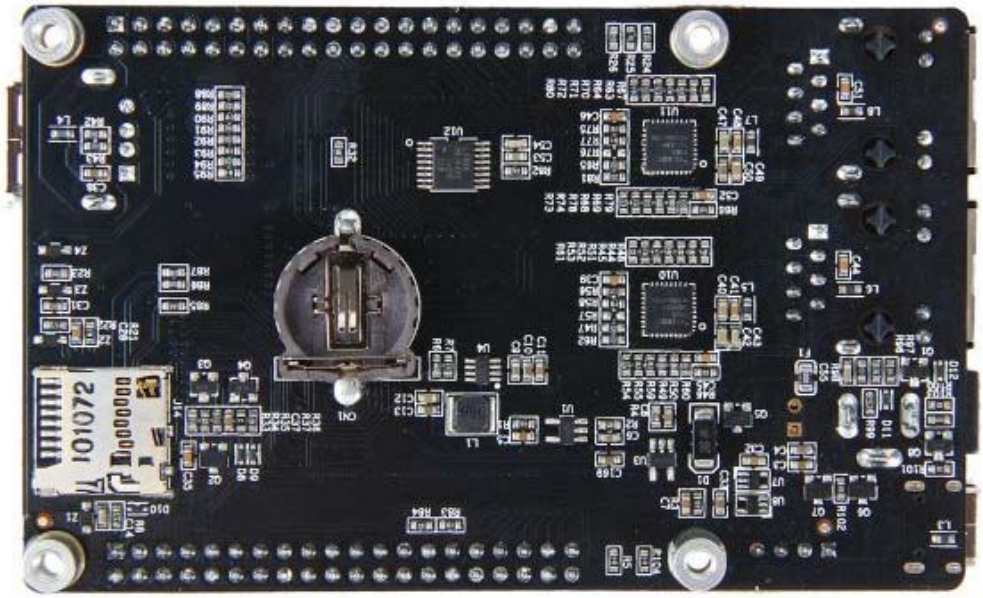
Click to view the original file.

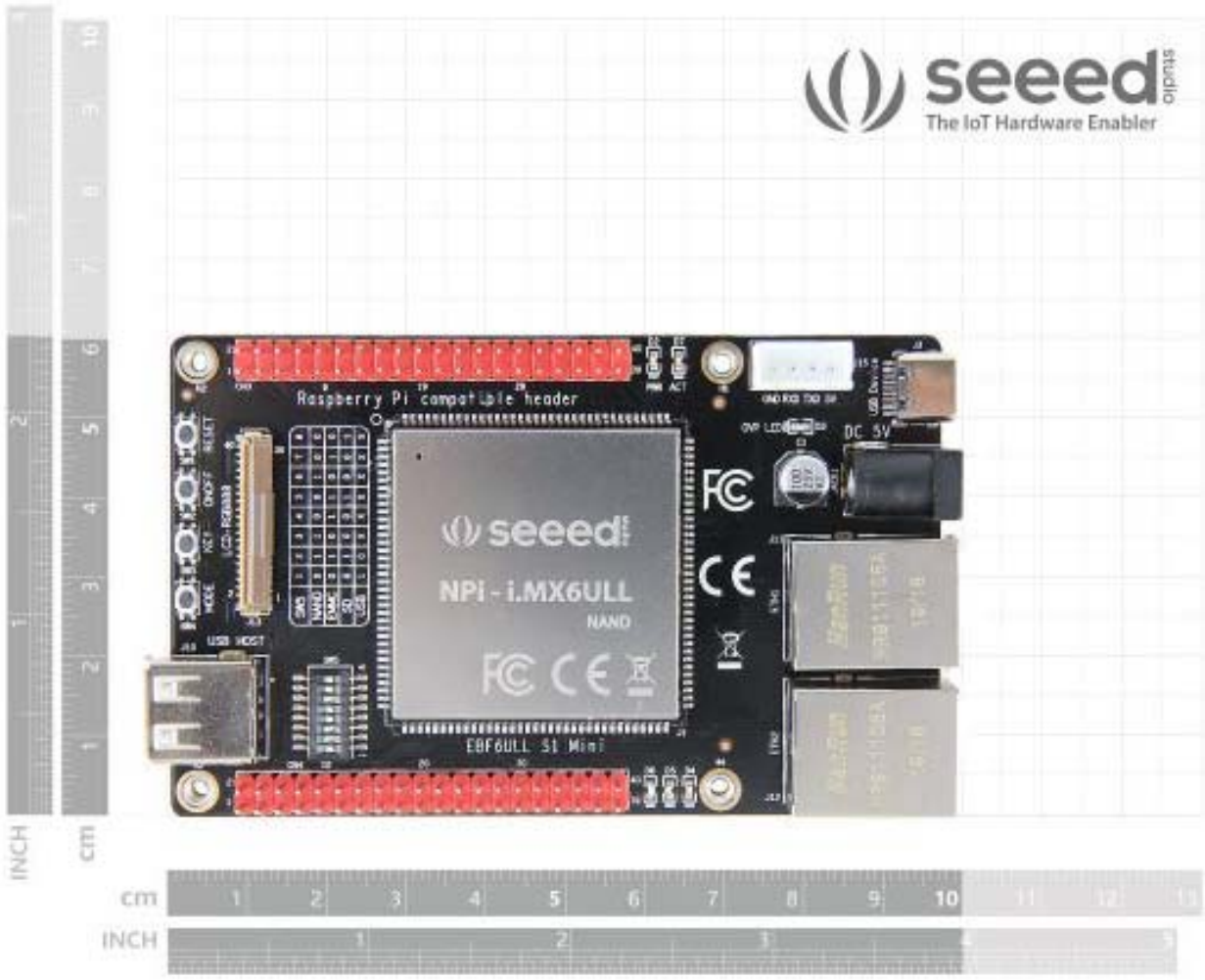


ECCN/HTS

HSCODE	8543709990
UPC	







https://www.seeedstudio.com/NPi-i-MX6ULL-Dev-Board-Industrial-Grade-Linux-SBC-NAND-Version-p-4220.html/10-3-19