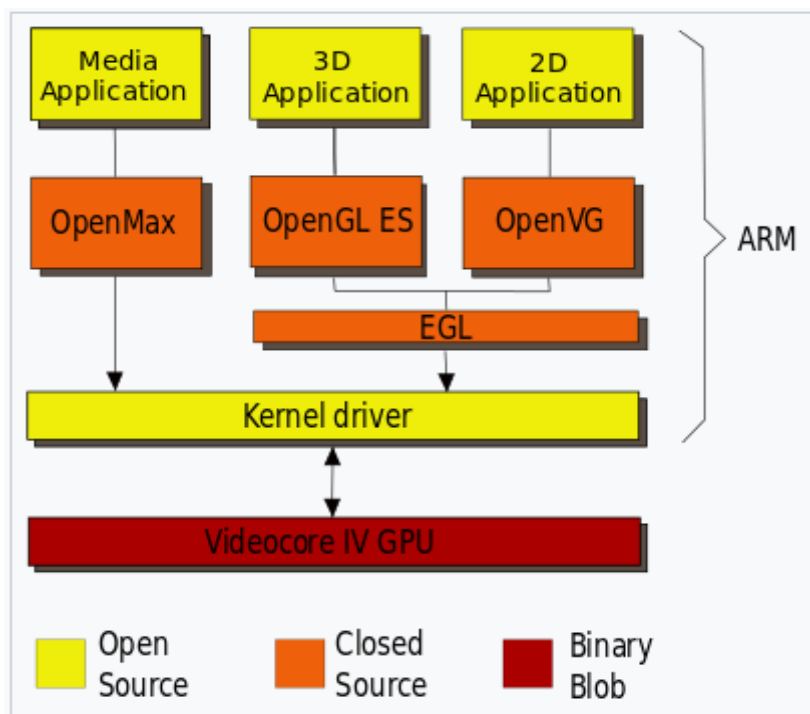
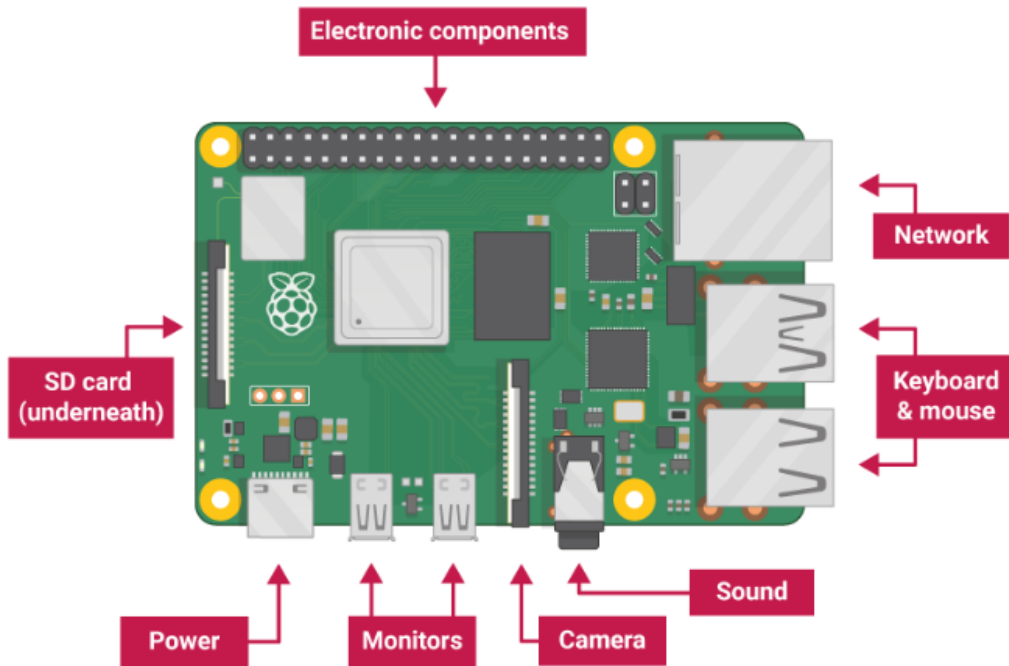


1. Dmatek HMI and Raspberry Pi

Raspberry Pi

(1) Architecture



(2) System Advantages

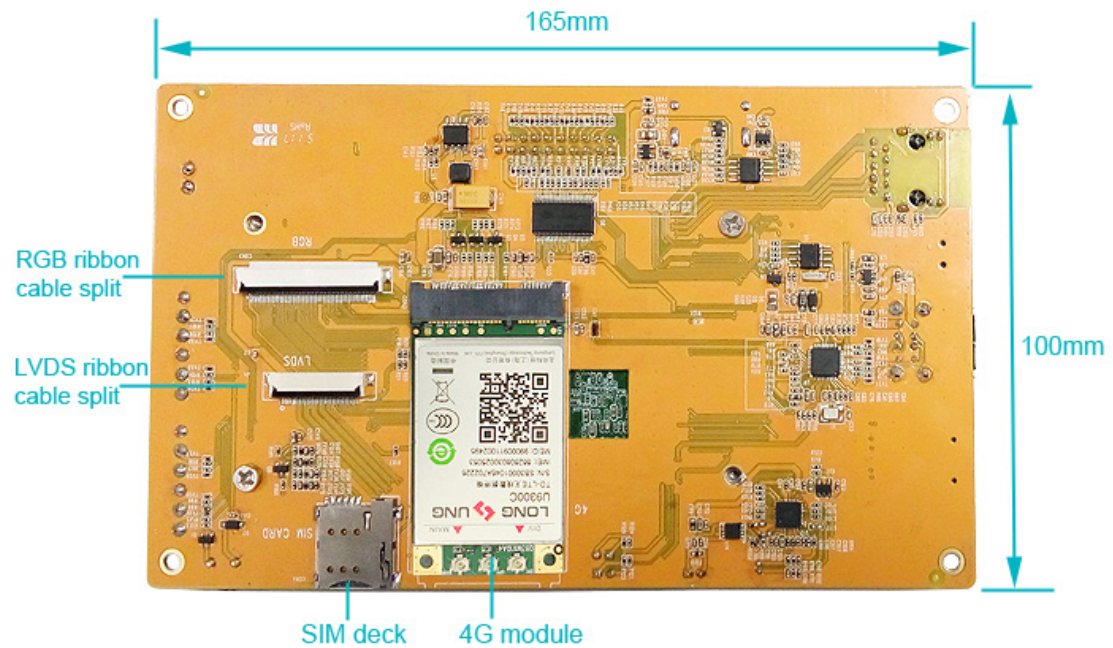
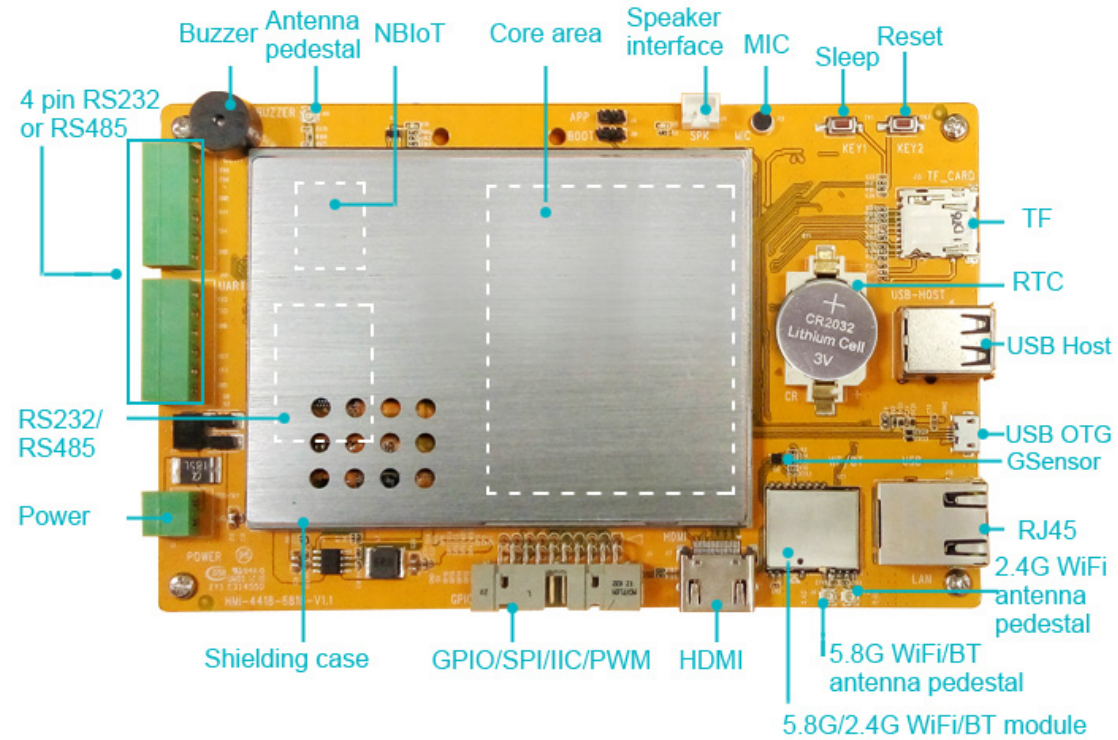
- a. SD as a system hard drive, programming the required operating system in SD
- b. The Raspberry Pi uses the SD card mount system. More than 40 operating systems support Raspberry Pi devices
- c. Raspberry Pi offers a large number of GPIOs for different device control
- d. Raspberry Pi focuses on image processing and output

(3) Development Restrictions

- a. The core functions are kept secret and can only be developed according to official information.
- b. Specific image display core device, not convenient to transplant
- c. Can only be developed by software, not open layer and core compilation
- d. Low compatibility for Android systems

The HMI of the DMATEK

(1) Architecture



(2) System Advantages

- a. All system content is in the core board, suitable for various device performance requirements for port development
- b. Provide android, linux-QT, linux-ubuntu three systems
- c. Multiple interface modules and components for multiple applications
- d. Customized device features available

(3) Development Restrictions

- a. Can only be developed by software, not open layer and core compilation
- b. Linux QT is a native system and is difficult to develop.
- c. Interface module function modification needs to be contacted by DMATEK