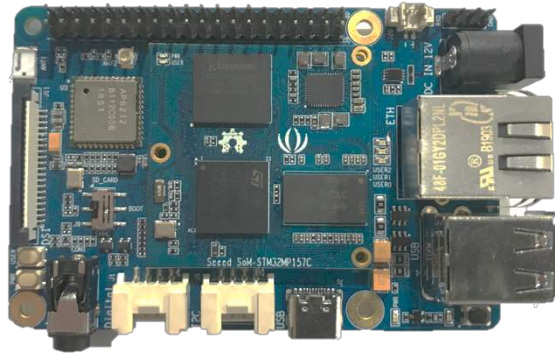# NPi – STM32MP157C

The NPi – STM32MP157C is a single board computer that based on STM32MP157C, a dual-core Arm-Cortex-A7 core processor operating at 650Mhz. This board is created in a form of SoM(system on module) plus Carrier board, and the carrier board is in Raspberry Pi form factor. The carries board includes all the necessary peripherals including Gigabytes Ethernet, WiFi/BLE, DC Power，USB Hosts, USB-C, MIPI-DSI, DVP for camera, audio, etc. With this board, customers can fast evaluate the SoM and deploy the SoM on their own carrier board easily and quickly.

SoM – STM32MP157C
- MPU: STM32MP157C
  - 32-bit dual-core Arm Cortex-A7
  - 32-bit Arm Cortex-M4 with FPU/MPU
- PMU: ST PMIC STPMIC1A
- RAM: 512MB DDR3 RAM
- Flash: 4GB EMMC
- Peripherals: 3 x PICO 70-pin Hirose connectors
- Size：38mm x38mm

Carrier Board

Peripherals：
- 2 x USB Host
- 1 x Gigabit Ethernet
- 1 x 3.5mm Audio
- 1 x MIPI DSI for Screen
- 1 x DVP for Camera
- 2 x Grove (GPIO & I2C)
- 1 x SD Card Slot(on the back)

WiFi/BLE
- WiFi 802.11 b/g/n 2.4GHz
- Bluetooth 4.1 with BLE

LED：
- 1 x Reset   3 x User   1 x Power

Power：
- 1 x DC Jack   1 x USB Type-C

Button：
- 1 x Reset   1 x User   1 x Switch