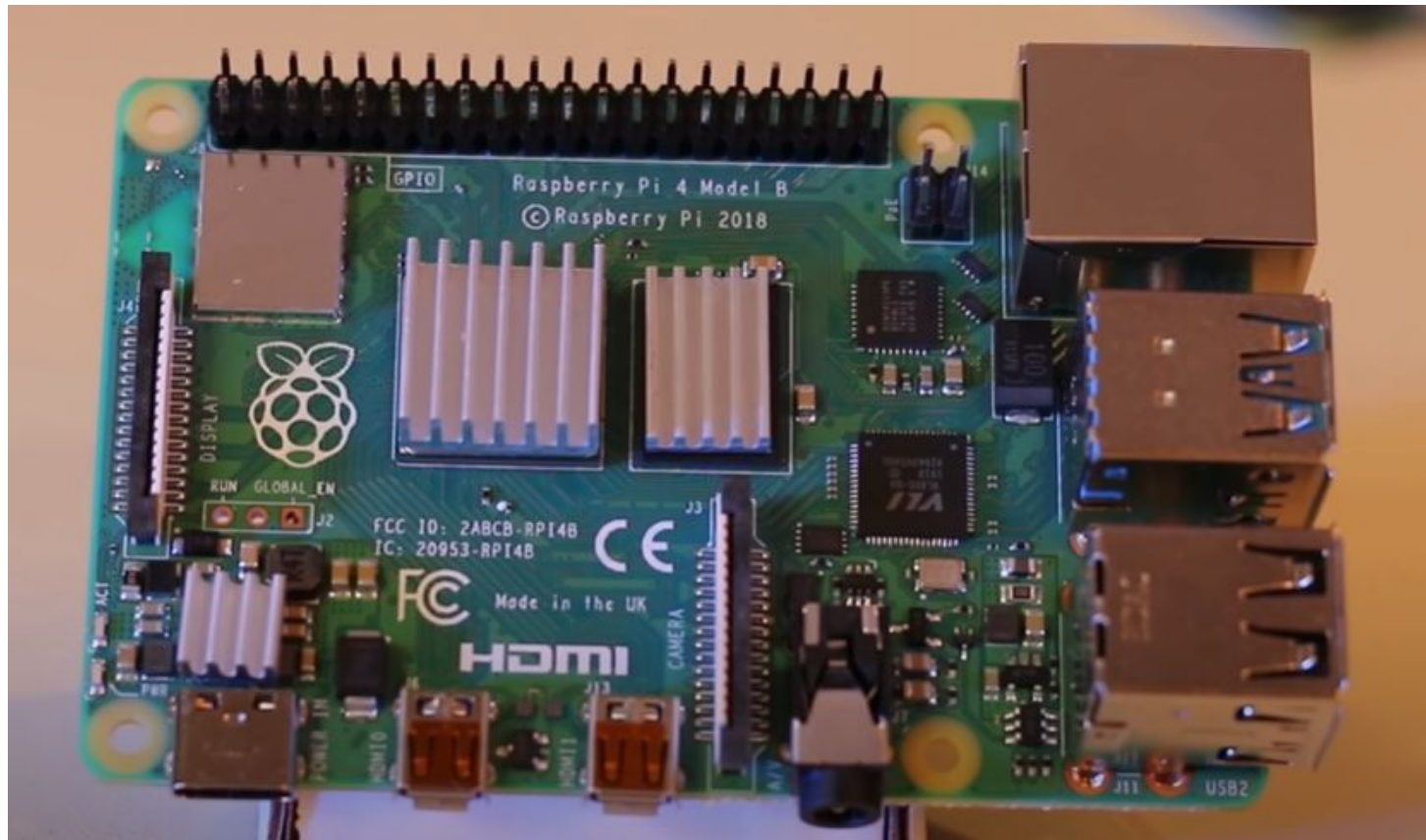
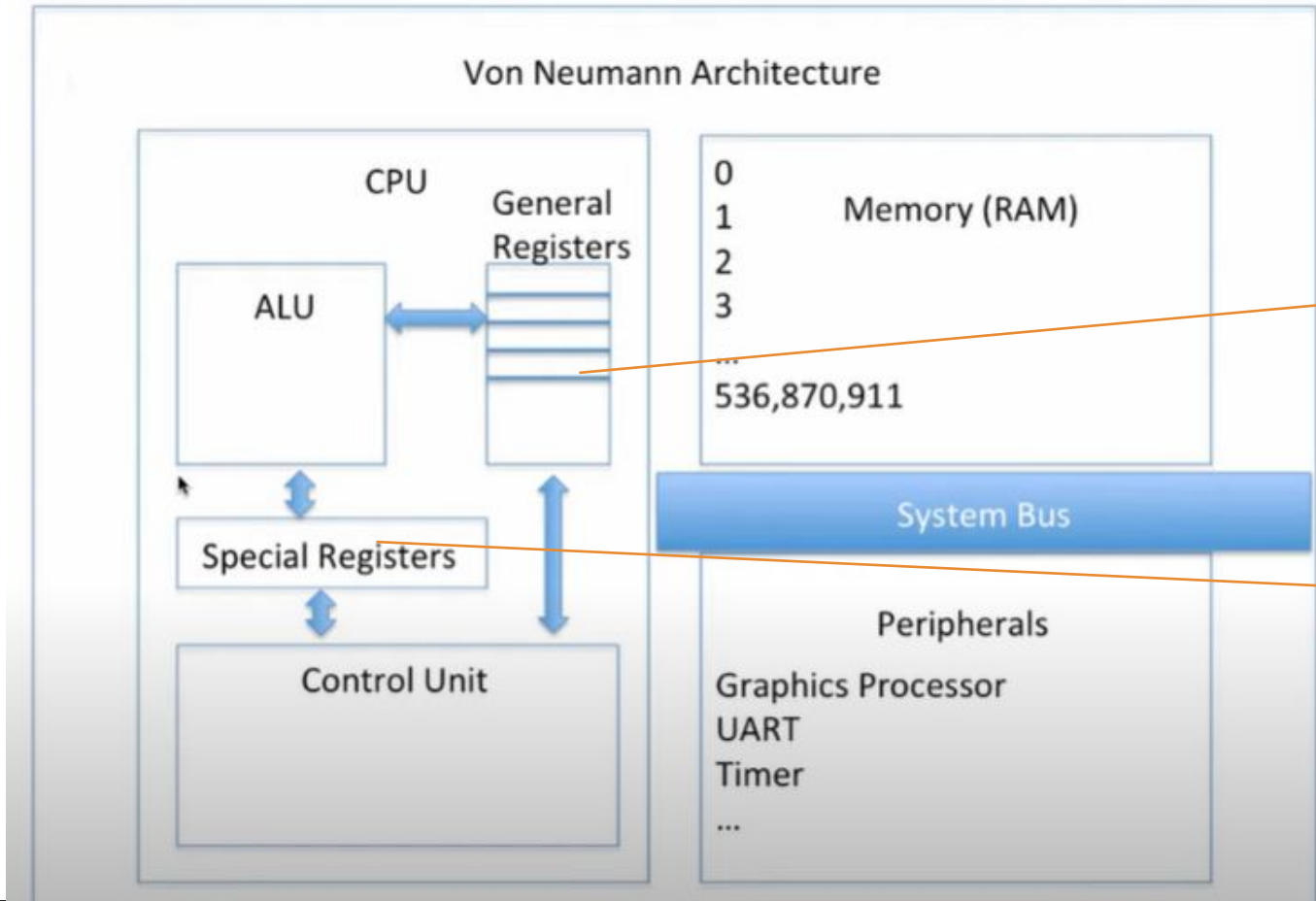


Raspberry Pi architectu re

Raspberry Pi architecture



C.A. based Raspberry Pi architecture



0 to 15 General Registers
15 – program counter
14 – Link Register
13 – Stack pointer

- 1. Instruction Registers**
- 2. CPSR**

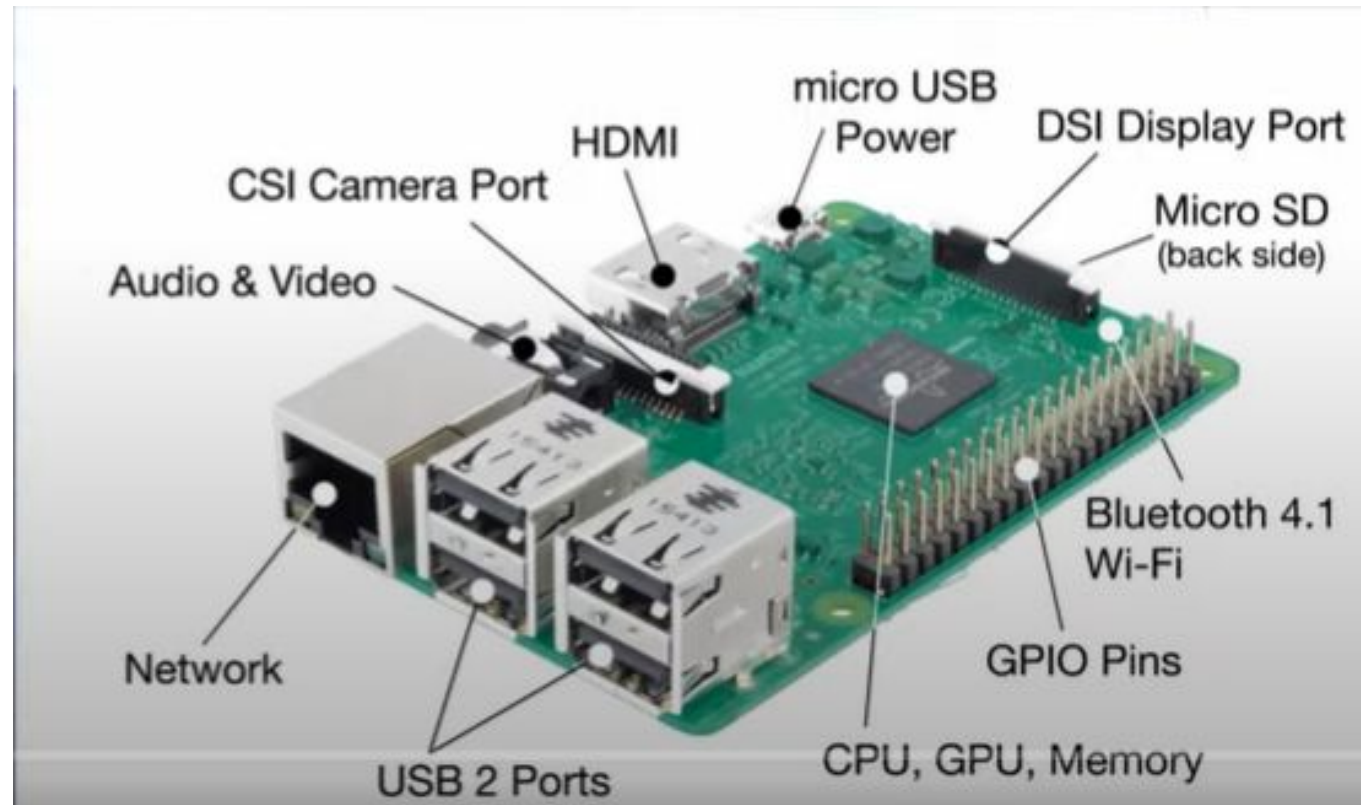
C.A. based Raspberry Pi architecture

Current Processor Status Register (CPSR)

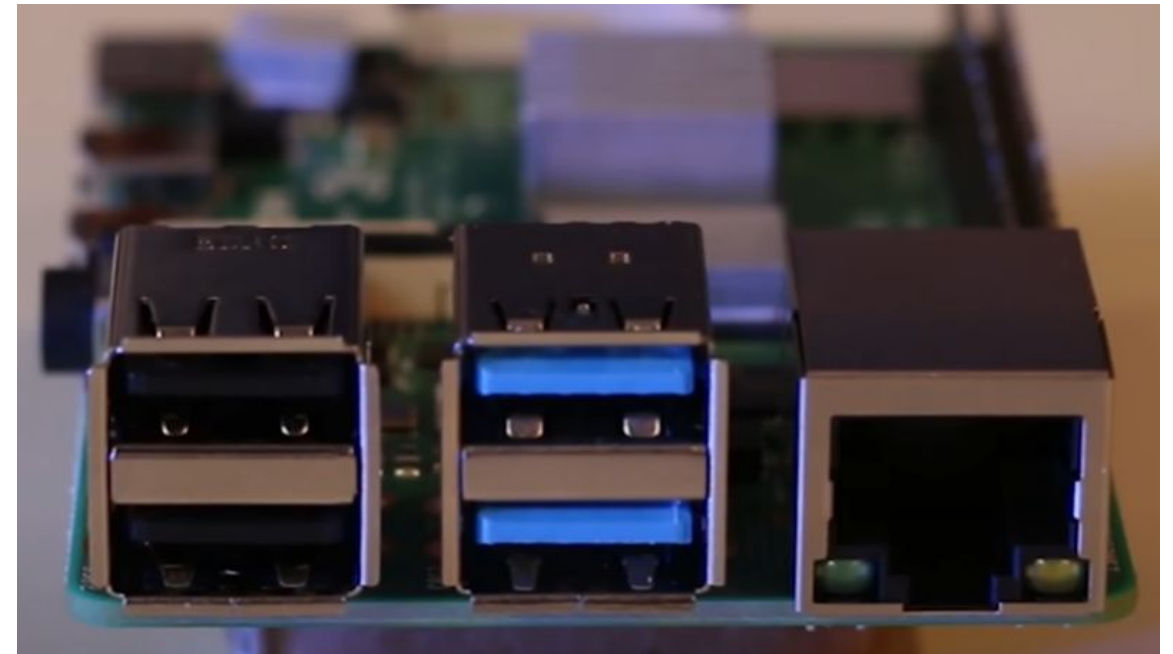
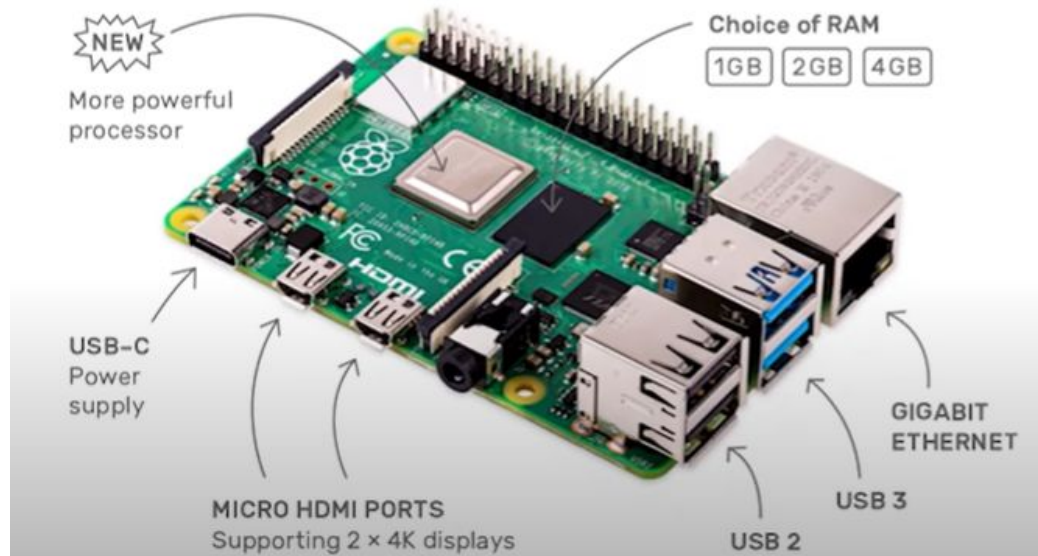


- Controls the operation of processor of the Raspberry Pi
- Especially the Status and the Extension is used in Raspberry Pi

Raspberry Pi architecture



Raspberry Pi architecture



Applications of Raspberry Pi

Home Automation System

Zero-Powered Smartphone

AI Assistant

Wireless Print Server

Motion Capture Security Camera