

**Functions:**

- Understanding and practice of basic sensor
- Understanding and practice of Beacon, medical and muscle sensor
- Understanding and practice of actuator
- Setup server, server demo practice and DB saving practice
- Setup android studio and demo operation practice
- Sensor and actuator practice applying Wifi
- Bluetooth communication in the App of Android OS Base

Basic Sensors:

- Temperature & Humidity sensor, voltage: DC3.5-5.5V, Temperature Range: 0-50°C±2°C, Humidity range: 20-90%RH±5%
- Gas Sensor: Rated voltage:5V, Sensing range: 200-100000ppm, Sensing gas LPG, Natural gas, city gas
- Sound Sensor: Rated voltage:5V
- PIR Sensor: Input Power Range: 5-20V
- Medical Sensor ECM Sensor: Rated voltage: 4.5-5.5V, Amplitude:750% (approx.)
- Muscle sensor: Rated voltage:2.9 to 2.9-5.7V
- Beacon: Wireless communication technology, Bluetooth smart 4.1, Rated temperature: 20-60°C

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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Specification:

- RaspebryPI3
- CPU - Quad core 64bit ARM cortex A53
- Instruction set - ARM8-A
- GPU: 400MHz Video core IV
- RAM: 1GB SDRAM
- Ethernet: 10/100
- Wireless: 802.11n/Bluetooth 4.0
- Power: Micro USB socket: 5V1, 2.5A
- Touch Screen: 7 Inch Touch screen
- Video Screen: 155x86mm
- Resolution: 800*480

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