

Lab System Architecture

Sensors Actuators

Accelerometer

Magnetometer

Gyroscope

Compass

Servo

Ultrasound

Camera

IR gesture

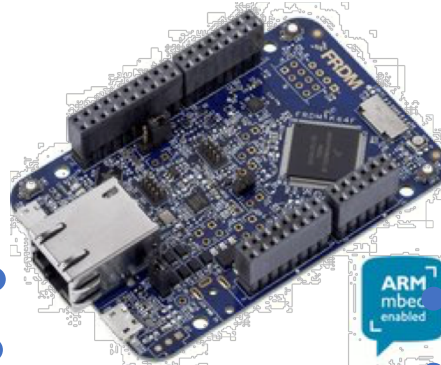
RF ID

Display

16 Character x 2
Line LCD

128*128 color LCD

ARM M4 + Mbed



GPIO

I2C/SPI

PWM

ADC/DAC

USB

Ethernet

USB/program

USB/terminal

WIFI Bluetooth Zigbee



Linux workstation



X86
CPU

Boe Bot Car

