

## ETS IoT KIT



### Specifications

- Quad-core ARM Cortex-A53 (Armv8-A architecture)
- Up to 1.2GHz Clock speed
- Broadcom Video Core IV
- 1GB LPDDR2 (900 MHz)
- MicroSDHC slot for on-board storage

#### Communication Interfaces

- 10/100 Ethernet
- 2.4GHz 802.11n wireless
- Bluetooth 4.1 Classic
- Bluetooth Low Energy

#### On board Sensors

- Accelerometer
- Gyroscope
- Temperature
- Humidity
- Pressure

#### User interfaces

- 3x3 channel relay
- 3 RGB LED
- 2 Push button
- Buzzer
- OLED display

## Ports

- UART
- SPI
- I2C
- 8 Analog I/O
- 31 GPIOs to interface external sensors
- 4 USB 2.0 port
- 3.5mm analog audio-video jack
- 5x5V Power supply
- 3x3.3V Power supply
- HDMI output
- Camera Serial Interface(CSI)
- Display Serial Interface(DSI)

## External Accessories

- Breadboard
- M-M Jumper Wires – 40 No's
- M-F Jumper Wires – 40 No's
- F-F Jumper Wires – 40 No's
- Power Adaptor with USB Cable
- HDMI to VGA Converter
- IR Sensor
- PIR Sensor
- Vibration Sensor
- Magnetic Door Sensor
- Flame Sensor
- DHT11 Sensor
- Ultrasonic Sensor
- LM35+Resistor
- Soil Moisture Sensor
- Rain Sensor
- LDR Module
- GAS Sensor (MQ2)
- Air Quality Sensor (MQ135)
- Servomotor
- Stepper Motor with driver Module