The Smart Lab with Raspberry Pi 400

Raspberry Pi 400 + LCD

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Commands of Motion, Fire, Light, Alarm Sensors with socket switch and Relay Channel

MQTT=MQ Telemetry Transport

BME280

ESP8266

Phy & TCP/IP Stack

MQTT Client

I/O Control

Arduino Uno

I2C Slave

Wiring Sketch

Raspberry Pi 4

Linux TCP/IP Stack

HTTP Server (1880)

Node-Red

MQTT Broker

Web GUI Control

Smart Phone Application