Indoor/Outdoor Environmental Data Aggregator

Sensor-Arduino-RPi-UI

http://samteck-server.local:1880/ui

Node-RED

Data Segregation and DB Insertion
Fog Computing to calculate Dew Point
and Pressure

influxdb

6 Measurements With
1 Value and 1 Tag each

Grafana

http://samteck-server.local:3000

Serial Port (ttyACM0)

JSON String
(Sensor Values)

ARDUINO

Data Aggregating MCU
Edge Computing for Heat Index

Serial/Analog Data

INDOOR UNIT

GPIO 7   Analog 0

DHT11

MQ135

OUTDOOR UNIT

GPIO 8   Analog 1

DHT11

MQ135