

# Home Assistant

## Commands

rtl\_433

```
mosquitto_sub -h core-mosquitto -t 'rtl_433/#' -v -u 'rtl_433' -P 'rtl_433'
```

Docker stats

```
docker stats --no-stream --format
"{{.MemUsage}}\t{{.CPUPerc}}\t{{.Name}}\t{{.ID}}" \
| awk -F'[ /]+' '
    function to_mb(x, u) {
        if (u ~ /GiB/) return x * 1024
        if (u ~ /MiB/) return x
        if (u ~ /KiB/) return x / 1024
        return x
    }
    { mem = to_mb($1, $2); print mem "\t" $0 }
' \
| sort -nr \
| cut -f2-
```

```
docker stats --no-stream --format
"{{.CPUPerc}}\t{{.MemUsage}}\t{{.Name}}\t{{.ID}}" \
| sort -hr
```

mtqtt.yaml

```
sensor:
  #
  # CH 1 – Nexus-TH – ID 224
  #
  - name: Temperature
    default_entity_id: nexus_th_224_temperature
    unique_id: nexus_th_224_temperature
    state_topic: "rtl_433/devices/1/Nexus-TH/224/temperature_C"
    device_class: temperature
    unit_of_measurement: "°C"
    state_class: measurement
    device:
      identifiers: ["nexus_th_224"]
      name: "Outside - CH1"
      manufacturer: "Nexus"
      model: "Nexus-TH"
```

```
- name: Humidity
  default_entity_id: nexus_th_224_humidity
  unique_id: nexus_th_224_humidity
  state_topic: "rtl_433/devices/1/Nexus-TH/224/humidity"
  device_class: humidity
  unit_of_measurement: "%"
  state_class: measurement
  device:
    identifiers: ["nexus_th_224"]

#
# CH 2 – Nexus-TH – ID 97
#
- name: Temperature
  default_entity_id: nexus_th_111_temperature
  unique_id: nexus_th_111_temperature
  state_topic: "rtl_433/devices/2/Nexus-TH/111/temperature_C"
  device_class: temperature
  unit_of_measurement: "°C"
  state_class: measurement
  device:
    identifiers: ["nexus_th_111"]
    name: "Cave - CH2"
    manufacturer: "Nexus"
    model: "Nexus-TH"

- name: Humidity
  default_entity_id: nexus_th_111_humidity
  unique_id: nexus_th_111_humidity
  state_topic: "rtl_433/devices/2/Nexus-TH/111/humidity"
  device_class: humidity
  unit_of_measurement: "%"
  state_class: measurement
  device:
    identifiers: ["nexus_th_111"]

#
# CH 3 – Nexus-TH – ID 111
#
- name: Temperature
  default_entity_id: nexus_th_119_temperature
  unique_id: nexus_th_119_temperature
  state_topic: "rtl_433/devices/3/Nexus-TH/119/temperature_C"
  device_class: temperature
  unit_of_measurement: "°C"
  state_class: measurement
  device:
    identifiers: ["nexus_th_119"]
    name: "Den - CH3"
    manufacturer: "Nexus"
    model: "Nexus-TH"
```

```
- name: Humidity
  default_entity_id: nexus_th_119_humidity
  unique_id: nexus_th_119_humidity
  state_topic: "rtl_433/devices/3/Nexus-TH/119/humidity"
  device_class: humidity
  unit_of_measurement: "%"
  state_class: measurement
  device:
    identifiers: ["nexus_th_119"]

#
# CH 4 – Eurochron EFTH800 – ID 348
#
- name: Temperature
  default_entity_id: eurochron_348_temperature
  unique_id: eurochron_348_temperature
  state_topic: "rtl_433/devices/4/Eurochron-EFTH800/348/temperature_C"
  device_class: temperature
  unit_of_measurement: "°C"
  state_class: measurement
  device:
    identifiers: ["eurochron_348"]
    name: "Lounge - CH4"
    manufacturer: "Eurochron"
    model: "EFTH800"

- name: Humidity
  default_entity_id: eurochron_348_humidity
  unique_id: eurochron_348_humidity
  state_topic: "rtl_433/devices/4/Eurochron-EFTH800/348/humidity"
  device_class: humidity
  unit_of_measurement: "%"
  state_class: measurement
  device:
    identifiers: ["eurochron_348"]

#
# CH 7 – Eurochron EFTH800 – ID 2836
#
- name: Temperature
  default_entity_id: eurochron_2836_temperature
  unique_id: eurochron_2836_temperature
  state_topic: "rtl_433/devices/7/Eurochron-EFTH800/2836/temperature_C"
  device_class: temperature
  unit_of_measurement: "°C"
  state_class: measurement
  device:
    identifiers: ["eurochron_2836"]
    name: "Laundry - CH7"
    manufacturer: "Eurochron"
    model: "EFTH800"
```

```
- name: Humidity
  default_entity_id: eurochron_2836_humidity
  unique_id: eurochron_2836_humidity
  state_topic: "rtl_433/devices/7/Eurochron-EFTH800/2836/humidity"
  device_class: humidity
  unit_of_measurement: "%"
  state_class: measurement
  device:
    identifiers: ["eurochron_2836"]

#
# CH 8 – AmbientWeather WH31E – ID 158
#
- name: Temperature
  default_entity_id: ambientweather_158_temperature
  unique_id: ambientweather_158_temperature
  state_topic: "rtl_433/devices/8/AmbientWeather-WH31E/158/temperature_C"
  device_class: temperature
  unit_of_measurement: "°C"
  state_class: measurement
  device:
    identifiers: ["ambientweather_158"]
    name: "Workshop - CH8"
    manufacturer: "AmbientWeather"
    model: "WH31E"

- name: Humidity
  default_entity_id: ambientweather_158_humidity
  unique_id: ambientweather_158_humidity
  state_topic: "rtl_433/devices/8/AmbientWeather-WH31E/158/humidity"
  device_class: humidity
  unit_of_measurement: "%"
  state_class: measurement
  device:
    identifiers: ["ambientweather_158"]

binary_sensor:
#
# Battery sensors (battery_ok = boolean)
#
- name: Battery
  default_entity_id: nexus_th_224_battery
  unique_id: nexus_th_224_battery
  state_topic: "rtl_433/devices/1/Nexus-TH/224/battery_ok"
  payload_on: "0"
  payload_off: "1"
  device_class: battery
  device:
    identifiers: ["nexus_th_224"]

- name: Battery
```

```
default_entity_id: nexus_th_111_battery
unique_id: nexus_th_111_battery
state_topic: "rtl_433/devices/2/Nexus-TH/111/battery_ok"
payload_on: "0"
payload_off: "1"
device_class: battery
device:
  identifiers: ["nexus_th_111"]

- name: Battery
  default_entity_id: nexus_th_119_battery
  unique_id: nexus_th_119_battery
  state_topic: "rtl_433/devices/3/Nexus-TH/119/battery_ok"
  payload_on: "0"
  payload_off: "1"
  device_class: battery
  device:
    identifiers: ["nexus_th_119"]

- name: Battery
  default_entity_id: eurochron_348_battery
  unique_id: eurochron_348_battery
  state_topic: "rtl_433/devices/4/Eurochron-EFTH800/348/battery_ok"
  payload_on: "0"
  payload_off: "1"
  device_class: battery
  device:
    identifiers: ["eurochron_348"]

- name: Battery
  default_entity_id: eurochron_2836_battery
  unique_id: eurochron_2836_battery
  state_topic: "rtl_433/devices/7/Eurochron-EFTH800/2836/battery_ok"
  payload_on: "0"
  payload_off: "1"
  device_class: battery
  device:
    identifiers: ["eurochron_2836"]

- name: Battery
  default_entity_id: ambientweather_158_battery
  unique_id: ambientweather_158_battery
  state_topic: "rtl_433/devices/8/AmbientWeather-WH31E/158/battery_ok"
  payload_on: "0"
  payload_off: "1"
  device_class: battery
  device:
    identifiers: ["ambientweather_158"]
```

prometheus.yaml

```
include:
  entities:
    - sensor.nexus_th_119_temperature
    - sensor.nexus_th_119_humidity
    - sensor.nexus_th_224_temperature
    - sensor.nexus_th_224_humidity
    - sensor.nexus_th_111_temperature
    - sensor.nexus_th_111_humidity
    - sensor.eurochron_348_temperature
    - sensor.eurochron_348_humidity
    - sensor.eurochron_2836_temperature
    - sensor.eurochron_2836_humidity
    - sensor.ambientweather_158_temperature
    - sensor.ambientweather_158_humidity
    - sun.sun
```

configuration.yaml additions:

```
# Home network stuff
homeassistant:
  external_url: "https://windhelm.seanys.com"

http:
  use_x_forwarded_for: true
  trusted_proxies:
    - 192.168.1.0/24

# Weather stuff
mqtt: !include mqtt.yaml
prometheus: !include prometheus.yaml

template:
  - sensor:
    - name: "Sun Elevation"
      unit_of_measurement: "°"
      state: "{{ state_attr('sun.sun', 'elevation') }}"
```

From:  
<https://rpi64-wired.seanys.com/> - **It's in The Wiki**

Permanent link:  
[https://rpi64-wired.seanys.com/home\\_assistant](https://rpi64-wired.seanys.com/home_assistant)

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