ESPHome WasserMeter Sensor (Beispieldateien)

WaterMeter.yaml

```
esphome:
  name: "watermeter"
  friendly_name: WaterMeter
  name_add_mac_suffix: true
#  use_address: "project-template-aabbcc"

esp32:
  board: az-delivery-devkit-v4
  framework:
   type: arduino

time:
  - platform: sntp
    id: sntp_time
    timezone: Europe/Vienna
    servers:
     - 192.168.1.1

external_components:
  - source: github://SzczepanLeon/esphome-components@version_4
    components: [ wmbus ]



## ------------------------------------------------------------------
##           WMBUS CC1101 --> ESP32 az-delivery-devkit-v4
## ------------------------------------------------------------------
##
##
##                                                                o 1 (3.3V)
##                                                                |
##   ┌──x──x──x──x──x──x──x──x──x──x──x──x──x──x──x──x──x──x──o─┐
```

```
##   |                                                           |
##   |                          EP32                             |
## - | 5v               az-delivery-devkit-v4                    | -- ANT
##   |                                                           |
##   |                          16 17 5  18 19              23   |
##   └──x──x──x──x──x──x──x──o──x──o──o──o──o──o──o──o──o──o──┘
##                              |  |  |  |  |                |   |
##                              o  |  |  o  |                |   └-o - 2 (GND)
##                              7  o  |  4  o                o
##                             GDO0 6  | CLK 5                3
##                                GD02 o    MISO             M0SI
##                                     8
##                                    CSN
##
## ------------------------------------------------------------------
wmbus:
  mosi_pin: GPIO23  ## SI:   gelb  3: MOSI Attached to Hardware SPI controller MOSI SPI
Interface
  miso_pin: GPIO19  ## SO:   violett    5: MISO Attached to Hardware SPI controller MISO SPI
Interface
  clk_pin: GPIO18   ## SCLK: grau 4: SCK  Attached to Hardware SPI controller CLK
  cs_pin: GPIO05    ## CSN:  weiß  8: CSN  Attached to Hardware SPI controller
  gdo0_pin: GPIO16  ## GD00: orange    7: RX Clock output. High Impedance !
  gdo2_pin: GPIO17  ## GD02: braun   6: TX FIFO status signals. High Impedance !

  #led_pin: GPIO02
  frequency: 868.950
  all_drivers: False
  sync_mode: True
  log_all: true


 # Example configuration entry
#mqtt:
#  broker: 192.168.1.50
#  username: mqttuser
#  password: !secret mqtt_password
#  mqtt:
#    broker: 192.168.1.50
#    username: mqttuser
```

```
#    password: !secret mqtt_password
#clients (Optional):
# name (Required): The name for this client.
# ip_address (Required): IP address.
# port (Required): Port number.
# format (Optional): Telegram format to send. HEX or RTLWMBUS. Defaults to RTLWMBUS.
# transport (Optional): TCP or UDP. Defaults to TCP.
#  clients:
#    - name: "wmbusmeters"
#      ip_address: "192.168.1.100"
#      port: 9022
#      transport: TCP



#sensor:
#  - platform: wmbus
#    meter_id: 18547614
#    type: hydrus
#    key: "22728910e66d83f8198560e66d83a2"
#    sensors:
#      - name: "Hauptwasserzaehler RSSi"
#        field: "rssi"
#        accuracy_decimals: 0
#        unit_of_measurement: "dBm"
#        device_class: "signal_strength"
#        state_class: "measurement"
#        entity_category: "diagnostic"

#      - name: "Hauptwasserzaehler_total"
#        field: "total_m3"
#        accuracy_decimals: 3
#        unit_of_measurement: "m³"
#        device_class: "water"
#        state_class: "total_increasing"
#        icon: "mdi:water"

#      - name: "Hauptwasserzaehler_water_temperature"
#        field: "flow_temperature_c"
#        accuracy_decimals: 1
#        unit_of_measurement: "°C"
```

```
#        state_class: "measurement"
#        icon: "mdi:temperature-celsius"

#      - name: "Hauptwasserzaehler_remaining_battery_life_y"
#        field: "remaining_battery_life_y"
#        unit_of_measurement: "y"
#        accuracy_decimals: 2
#        icon: "mdi:battery-clock-outline"

#      - name: "Hauptwasserzaehler_status"
#        field: "status"
#        icon: "mdi:state-machine"

#      - name: "Hauptwasserzaehler_timestamp"
#        field: "timestamp"
#        icon: "mdi:timer-sand"

#      - name: "Media"
#        field: "media"

#      - name: "Meter Type"
#        field: "meter"


#      - name: "Hauptwasserzaehler_timestamp"
#        field: "timestamp"
#        icon: "mdi:timer-sand"


sensor:
  - platform: wmbus
    meter_id: 0x18547614
    type: hydrus
    key: "22728910e66d83f8198560e66d83a2"
    sensors:
      - name: "RSSi"
        field: "rssi"
        accuracy_decimals: 1
        unit_of_measurement: "dBm"
        device_class: "signal_strength"
```

```
        state_class: "measurement"
        entity_category: "diagnostic"

      - name: "Zählerstand Gesamt"
        field: "total"
        accuracy_decimals: 3
        unit_of_measurement: "m³"
        device_class: "water"
        state_class: "total_increasing"
        icon: "mdi:water"

      - name: "Zählerstand Vormonat"
        field: "target"
        accuracy_decimals: 3
        unit_of_measurement: "m³"
        device_class: "water"
        state_class: "total_increasing"
        icon: "mdi:water"

      - name: "Letztes Auslesedatum"
        field: "target"
        unit_of_measurement: "datetime"
        icon: "mdi:water"

      - name: "Wassertemperatur"
        field: "flow_temperature"
        accuracy_decimals: 1
        unit_of_measurement: "°C"
        state_class: "measurement"
        icon: "mdi:temperature-celsius"

      - name: "Restlebenszeit der Batterie"
        field: "remaining_battery_life"
        accuracy_decimals: 5
        unit_of_measurement: "y"
        entity_category: "diagnostic"
        icon: "mdi:battery-clock-outline"

text_sensor:
  - platform: wmbus
```

```
    meter_id: 0x18547614
    type: hydrus
    key: "22728910e66d83f8198560e66d83a2"
    sensors:
      - name: "Status"
        field: "status"
        icon: "mdi:state-machine"
        entity_category: "diagnostic"



# Enable logging
logger:
#  level: VERBOSE
  level: INFO
## Enable Home Assistant API
api:
  encryption:
    key: "EaZvkH3GgH+LA1c7621ggc8a2wsZ9p2iynfe1cI="

wifi:
  ssid: !secret wifi_ssid
  password: !secret wifi_password
  fast_connect: true

  # Enable fallback hotspot (captive portal) in case wifi connection fails
  ap:
    ssid: "Watermeter Fallback Hotspot"
    password: "PmfkIusr91hL"

captive_portal:

web_server:
  port: 80
```

secrets.yaml

```
# Your Wi-Fi SSID and password
wifi_ssid: "home-wifi"
wifi_password: "mysecretpassword"
```

Revision #3
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