Local WEB-UI



 Version
 1.0

 Date
 17/01/2025

whatwatt.ch info@whatwatt.ch



©2025 whatwatt

| Version | Date | Author | Changes |
|---------|------------|--------|-----------------|
| 1.0 | 17.01.2025 | ТК | Initial Version |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| 1. | Introduction | 4 |
|----|--------------|----|
| 2. | Main | 4 |
| 3. | WiFi / LAN | 5 |
| 4. | System | 7 |
| 5. | Integrations | 8 |
| 6. | MQTT | 9 |
| 7. | Meter | 10 |
| 8. | Live | 11 |

1. Introduction

This guide shows the local WEB-UI of whatwatt Go and its capabilities.

The local WEB-UI can be reached via IP address of the whatwatt Go device. If the device is in AP-Mode then check for a WiFi with SSID "whatwatt-xxxx", connect and use IP 192.168.254.1 in your browser to reach the WEB-UI.

2. Main

Shows the topics and the status of the services.



3. WiFi / LAN

Shows connectivity methods/status and allows the integration in your WiFi.

| • • • [ii] Whatwatt Go × + | | |
|---|-------------|------------|
| \leftrightarrow \rightarrow C \triangle Nicht sicher 192.168.1.69/network | lan ☆ 🔹 | : |
| | | |
| WIFI/ LAN | | |
| Chatura | F | 01/ |
| Status WiEi eignel etrength | Express / | 0% |
| | 102 169 1 | 60 |
| ir Subnet | 255 255 25 | 5.0 |
| Gateway | 192 168 | 5.0 1 1 |
| | A842F39F61 | 40 |
| Security | WF | -Δ2 |
| Hostname | [whatwatt_9 | F6] |
| | | |
| Modify WiFi Settings | | > |
| Start WPS | | > |
| Reset WiFi Settings | | > |
| Important Info | | |
| Connecting via Ethernet requires external power via USB-C. | | |
| If connected via Ethernet WiFi will be switched off. | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| ••• [II] Whatwa | att Go × + | | |
|------------------------------------|--|-------|------------|
| \div \rightarrow C \land Nic | cht sicher 192.168.1.69/network/settings | len ☆ | |
| < | WiFi / LAN | | |
| | | | |
| Select Network | | | |
| Express • 100% | | | \bullet |
| CUBE'it UG • 80% | | | \bigcirc |
| Express • 50% | | | |
| CUBE'it EG • 22% | | | \bigcirc |
| Express • 18% | | | • |
| Express • 16% | | | |
| Password | | I | 1 |
| Get IP | | | |
| DHCP | | | \bullet |
| Static | | | \bigcirc |
| | Save / Connect | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

4. System

Shows whatwatt Go information and allows local firmware upgrade.

| ••• [II] Whatwatt Go | × + | · |
|---|---------------------|-------------------------|
| $\leftarrow 	o 	extsf{C}$ $	riangle$ Nicht sicher | 192.168.1.69/system | 🗟 🕁 🖪 : |
| | | |
| < | System | |
| | | |
| SmartMeter ID | | |
| Name | | [Tom Home] |
| Meter Type | | Ensor ESR51030612174453 |
| Interface | | P1 |
| Meter Status | | ОК |
| Connection / Status | | WiFi / Ok |
| IP | | 192.168.1.69 |
| Subnet | | 255.255.255.0 |
| Gateway | | 192.168.1.1 |
| MAC WiFi | | A842E39F614C |
| MAC Ethernet | | |
| Interval to Systems | | [30] |
| Device Protection | | 0 |
| Password | | [] |
| Model | | WW_Go_1.1 |
| Firmware | | 1.2.3 |
| Firmware Upgrade | | > |
| Reboot | | > |
| Reset to Factory Settings | | > |
| Date | | 2025-01-17 |
| Time | | 13:16:56 |
| Last Reboot | | 2025-01-17 • 12:16:01 |

5. Integrations

Shows the direct integrations.

| ••• (II) Whatwatt Go | × + | | · |
|---|--------------------------|---------------------|------------|
| \leftarrow \rightarrow C \triangle Nicht sicher 192 | 168.1.69/services | lar ☆ | a : |
| < | Integrations | | |
| WhatWatt (Cloud) | | | • |
| myStrom (Cloud) | | | \bullet |
| Solar Manager (Cloud) | | | 0 |
| Solar Manager (Local) | | | |
| | | | |
| Save on SD Card | | | 0 |
| Important Info about Integration | s | | |
| "Integrations" like myStrom and | Solar Manager require | a whatwatt Plus | |
| subscription - will be introduced | in Q2/2025. Till then it | is free to be used. | |
| Please visit <u>whatwatt.ch</u> | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

6. MQTT

Shows the settings for MQTT – please check other documents

- Local Integration "REST & MQTT"
- HOW-TO "Integration into Home Assistant"

| ••• (II) Whatwatt Go | × + | | ~ |
|--|---|----------------|------------|
| \leftarrow \rightarrow C $	riangle$ Nicht sicher | 192.168.1.69/mqtt | 🔄 🕁 | |
| < | MQTT | | |
| Enabled | | | \bigcirc |
| URL | | ſ | 1 |
| Username | | I | 1 |
| Password Client ID | | l [| 1 |
| Publish Topic | [] | |] |
| rayioad | <pre>{ "P_In": \${1_7_0}, "P_Out": \${2_7_0}, "E_In": \${1_8_0}, "E_Out": \${2_8_0}, "Meter": { "DateTime": "\$ }, </pre> | t{meter.date_t | ime)" |

7. Meter

Shows smart meter information and parameters of the communication with the smart meter. Keys if the communication is encrypted have to be added here.

| ••• [II] Whatwatt Go | × + | |
|---|--------------------|-------------------|
| $\leftarrow ightarrow 	extbf{C}$ $	riangle$ Nicht sicher | 192.168.1.69/meter | 🗟 🛧 🔺 |
| | | |
| < | Meter | |
| | | |
| Meter | | |
| Status | | ок |
| SmartMeter ID | | |
| Manufacturer | | Ensor |
| Туре | | ESR51030612174453 |
| Model | | 1ESR8012174453 |
| Conversion factor | | [1] |
| | | |
| Communication | | |
| Interface | | P1 |
| Protocol | | DSMR |
| Protocol Version | | 5.0 |
| Baudrate | | [115200] |
| Parity | | [none] |
| Rx Invert | | 0 |
| Tx Invert | | 0 |
| Auto Baudrate | | • |
| IF Туре | | [auto] |
| Encryption | | 0 |
| Key 1 | [|] |
| Key 2 | [|] |
| Interval from Meter | | 1.007 |
| | | |
| | | |
| | | |
| | | |

8. Live

Shows the live values sent by the smart meter.

| ••• [II] Whatwatt Go | × + | |
|---|-----------------|------------|
| \leftarrow \rightarrow C \triangle Nicht sicher 19. | 2.168.1.69/live | 🔄 🖈 🔺 🗄 |
| < | Live | |
| | | |
| Power In/Out [kW] | | |
| P_In | 1-7-0 | 1.895 |
| P_Out | 2-7-0 | 0.000 |
| Power In/Out per Ph | nase [kW] | |
| P_P1_In | 21-7-0 | 0.123 |
| P_P2_In | 41-7-0 | 1.407 |
| P_P3_In | 61-7-0 | 0.365 |
| P_P1_Out | 22-7-0 | 0.000 |
| P_P2_Out | 42-7-0 | 0.000 |
| P_P3_Out | 62-7-0 | 0.000 |
| Power Peak per Tari | Lff [kW] | |
| P_P_In | 1-6-0 | - |
| P_P_In_T1 | 1-6-1 | _ |
| P_P_In_T2 | 1-6-2 | - |
| Current per Phase | [A] | |
| I_P1 | 31-7-0 | 2.730 |
| I_P2 | 51-7-0 | 6.560 |
| I_P3 | 71-7-0 | 3.370 |
| Voltage per Phase | [v] | |
| V_P1 | 32-7-0 | 229.15 |
| V_P2 | 52-7-0 | 228.22 |
| V_P3 | 72-7-0 | 229.67 |
| Reactive Power [VAn | -] | |
| rP_In | 3-7-0 | - |
| rP_Out | 4-7-0 | _ |
| Power Factor | | |
| PF | 13-7-0 | _ |
| Energy In/Out per 1 | Tariff [kWh] | 0/100 040 |
| | 1 0 1 | 8 196.049 |
| | 1 0 2 | 0 400.91/ |
| E_111_12 | 2-8-0 | 1 / 10.132 |
| | 2-8-0 | 1'165_200 |
| | 2-8-2 | 1_726 |
| | 2-6-2 | 1.720 |
| Reactive Energy In/ | /Out [kWh] | |
| rE_Out | 4-8-0 | - |
| Date / Time / Uptin | ne | |
| Date | | 2025-01-17 |
| | | 12:34:10 |
| Uptime [h] | | 0.300 |
| | | |