### HWg-PWR 3/12/25: Smart M-Bus gateway for energy metering

**HWg-PWR is a smart Ethernet gateway for remote energy consumption metering. Up to 3 or 12 or 25 external M-Bus meters (water, gas, electricity, heat meters) can be connected to the unit.**

HWg-PWR can process data from 3/12/25 external M-Bus meters. The unit monitors energy consumption and sends e-mail or text message alerts to values out of a specified range.

All values from the external meters are available for further processing over SNMP, Modbus/TCP, or through a web portal.

HWg-PWR 3/12/25 works stand-alone, without the need for a local PC. Consumption charts are displayed over the web interface, and a consumption report can be e-mailed once per day, week or month.

With HWg-PWR 3/12/25, it is easy to create a remote consumption monitoring system for all types of energy. Typical applications cover data centers, shopping malls, industrial premises and office buildings.

Individual M-Bus meters (electricity, water, gas, heat and other meters) are produced by third parties. Over 30 leading manufacturers now support the M-Bus interface. External meters can be used for any current ranges, power factor measurements, etc.

* **Online demo**: http://hwg-pwr.hwg.cz/
* **Ethernet**: RJ45 (100BASE-T)
* **Web:** Built-in Web server, configuration, charts
* **Digital inputs:** 8x 110/230VAC input for phase outage detection
* **External energy meters**: 3/12/25 M-Bus meters, powered from the HWg-PWR
* **M-Bus interface**: EN 13757-2, EN 13757-3, meter auto-detection
* **Number of distinct variables:** Up to100 variables (across all connected meters)
* **Data logging**: 170,000 values (3 values every 15 minutes = 590 days)
* **Energy counter**: Independent counter for periodic consumption readouts (daily, weekly, monthly, annually, ...)
* **Reports**: Periodic e-mailing of measured values
* **M2M communication protocols**: SNMP, XML, Syslog, Modbus/TCP, HWg-Push
* **Response to thresholds**:SNMP trap, Email, SMS (SMS Gateway)
* **Sending text messages (SMS):** External “SMS Gateway” or the PD Trigger software is needed
* **Support for programmers**: HWg SDK (API)
* Supported software

	1. **HWg-PD Trigger**: Alert management and device failure detection
	2. **HWg-PDMS**: Graphs, data logging, export to MS Excel
	3. **Third-party SNMP software** (HP OpenView, Nagios, Zabbix, The Dude, ..)
* **Power supply**: 110 / 230V AC
* **Mechanical**: Fits on a DIN rail

**Keywords:**

HWg-PWR, M-bus IP, MBus Ethernet, m-bus gateway, M-Bus electricity meter, M-Bus EN 13757-2, M-Bus EN 13757-3, M-Bus logging, electricity metering, electricity meter, gas meter, M-bus, SNMP, Modbus/TCP