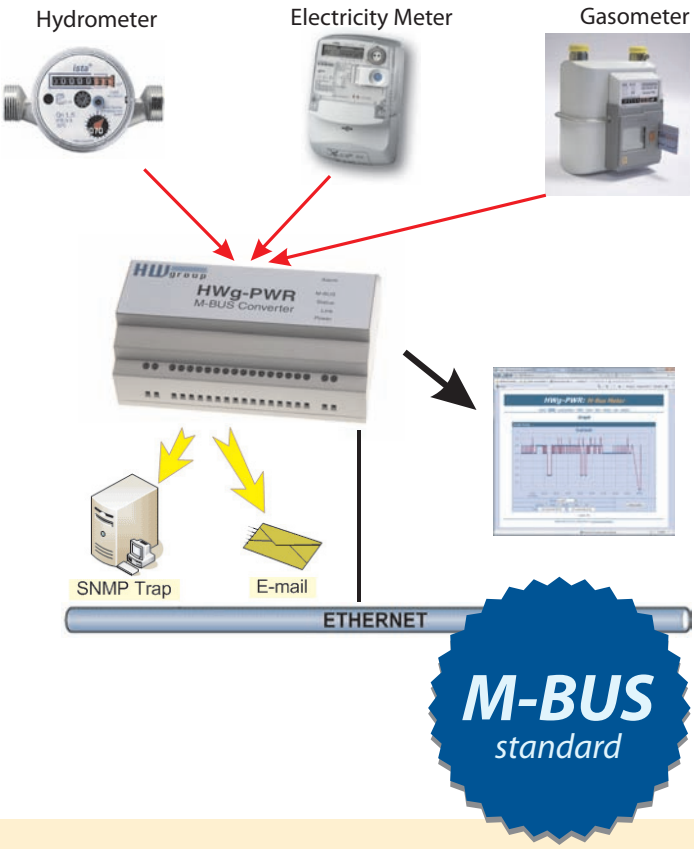
HWg-PWR
energy meter

HWg-PWR is an Ethernet-enabled device for remote monitoring and metering of electricity, heat, water or gas consumption using electricity meters, water meters, gas meters, heat meters and other sensors equipped with the M-BUS interface.

In addition to metering, the device also supports alarming through e-mail or SNMP traps whenever user defined values are exceeded

M-BUS is a standard in energy metering. As opposed to pulse counters, it works with absolute values (acquired data can be used as an argument against the utility bill), and at the same time allows working with additional quantities, such as voltage, current, flow, drift, etc.



Usage examples

- Remote monitoring of electricity meters in small server rooms and BTS
- Monitoring of energy consumption in rented premises
- Acquiring energy consumption readings in remote or inaccessible areas
- Control over energy costs
- Checking for individual line overloads in three-phase wirings
- Checking for undervoltage in electric wirings
- Monitoring the flow of liquids

- ✓ *Electricity meter*
- ✓ *Water meter*
- ✓ *Gas meter*
- ✓ *M-bus*
- ✓ *Password protection*
- ✓ *SNMP*
- ✓ *Email alarm*
- ✓ *Ethernet*

Basic features

- Works with up to three M-BUS sensors (electricity meters, gas meters...)
- Unlimited number of measured quantities
- Automatic detection of sensors and measured quantities
- Support for certified and calibrated meters
- Supports single-phase and polyphase electricity meters
- Supports single-tariff and multi-tariff meters
- Logging of measured values with the option to plot graphs
- Configuration of allowed range of measured quantities
- Independent energy counters for periodic readings (daily, weekly, monthly, annually, ...)
- Configuration of the measured unit and the exponent
- Periodic e-mailing of acquired values over HTTP and by e-mail
- DIN rail mount with a power supply for M-BUS

HWg-PWR

Meters	
Consumption	✓
Volume	✓
Flow	✓
Energy	✓
SNMP	✓
Email alert	✓

Parameters

Ethernet	100 Mbit
IP Protocols	ARP, TCP/IP (HTTP,SMTP) SNMP, UDP/IP (SNMP)
DHCP for IP assignment:	✓
SNMP	Port 161 Ver 1.0 / 2.0 (partially)
M2M protocols	M-BUS, SNMP, XML (http)
Accuracy	According to the connected meter
Power supply	230V / 10W
Mounting method	DIN rail
Operating temperature range	-10°C až 60°C

Optional accessories

DHZ 5/63-M-BUS

ED 310.DB HWG

M-Count 2C

ED 310.DB HWG	Three-phase two-tariff electrocity meter 63A with M-Bus and SO
DHZ 5/63-M-BUS	Single-phase electrocity meter 63A with M-Bus
M-Count 2C	Conventer and datalogger 2x switching output (SO) / M-Bus