

eWon drivers - Driver Details

IEC62056

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1. IEC 62056-21 Driver Details

1.1. TAG list

Postfix eWon TagName	Description	eWon Type	OBI Code
Alarms	Alarms	Floating point	F.F
ResetNumber	Number of reset	Floating point	0.1.0
ActiveEnergyIn	Total active energy in [KWh]	Floating point	1.8.0
ActiveEnergyOut	Total active energy out [KWh]	Floating point	2.8.0
ActEnergyInLM	Total active energy last month in [KWh]	Floating point	1.8.0&01
ActEnergyOutLM	Total active energy last month out [KWh]	Floating point	2.8.0&01
ReactiveEnergyInd	Total reactive energy (inductive) [KVARh]	Floating point	5.8.0
ReactiveEnergyCap	Total reactive energy (capacitive) [KVARh]	Floating point	8.8.0
PmaxT1	P max present – tariff 1 [KW]	Floating point	1.6.1
PmaxT2	P max present – tariff 2 [KW]	Floating point	1.6.2
PmaxT3	P max present – tariff 3 [KW]	Floating point	1.6.3
PmaxT4	P max present – tariff 4 [KW]	Floating point	1.6.4
VoltageFail	Number of voltage failures of all phases	Floating point	C.7.0
VoltageFail1	Number of voltage failures phase 1	Floating point	C.7.1
VoltageFail2	Number of voltage failures phase 2	Floating point	C.7.2
VoltageFail3	Number of voltage failures phase 3	Floating point	C.7.3
P01	Active Power Phase 1 [KW]	Floating point	22.7.0
P02	Active Power Phase 2 [KW]	Floating point	42.7.0
P03	Active Power Phase 3 [KW]	Floating point	62.7.0
V01	Voltage – VRN 1 [V]	Floating point	32.7.0
V02	Voltage – VRN 2 [V]	Floating point	52.7.0
V03	Voltage – VRN 3 [V]	Floating point	72.7.0
I01	Current 1 [A]	Floating point	31.7.0
I02	Current 2 [A]	Floating point	51.7.0
I03	Current 3 [A]	Floating point	71.7.0

If required, additional tags can be added using OBI codes.

1.2. Slave configuration

For each device (meter) must be defined a tag named MTRn (e.g. : MTR1) where n is the number of device starting from 1.

Description of MTRn tag is used by the driver to read some parameters, as described below :

*commname**address**timeoutMs*

Example : COM0**96952391 **2000

commname = COM0 ; eWon serial port

address = 96952391 ; device serial number

timeoutMS = 2000 ; 2s timeout for serial read

1.3. Default serial port configuration

Default inverter configuration: 9600 7-E-1

Serial port configuration tag description

*IEC62056Port**Serial**comm:com0;baudrate=9600;blocking=off;halfduplex=on;bitsperchar=7;stopbits=1;parity=even*

1.4. Tested Devices

- Landis-Gyr Meter E650 mod. 405CT with module CU-G32 and port RS485.