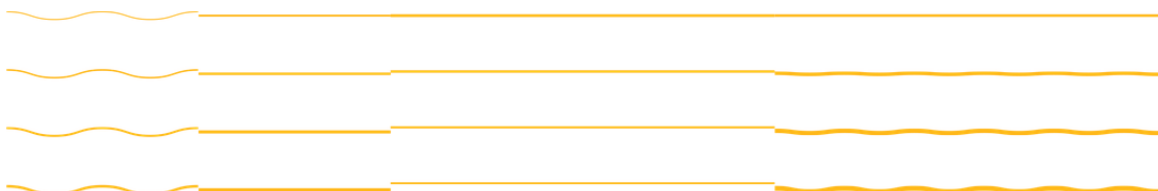


Compatible Modbus devices

Neutron Smart Gateway

ionSign Oy

P.O. Box 246, Paananvahe 4, FI-26100 Rauma
ionSign.fi, ionsign@ionsign.fi, tel. +358 2 822 0097
VAT FI21174499

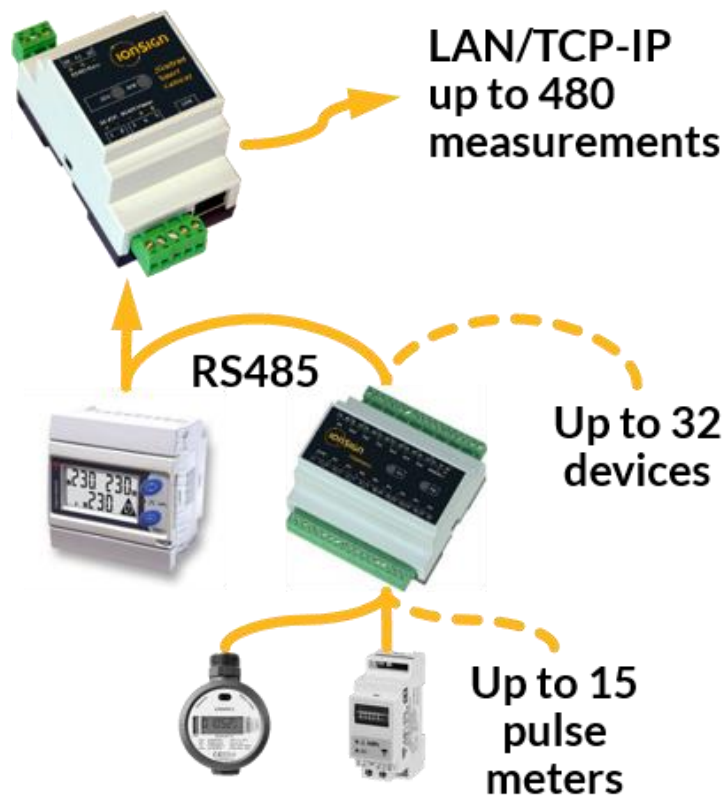


NEUTRON SMART GATEWAY

Compatible Modbus devices

General features

- RS485 Modbus compatible protocol
- Configurable fieldbus speed (default 9600/8N1)
- Up to 32 compatible devices may be configured to the fieldbus



Supported Modbus devices:

ionSign Neutron15	15 x S0/D0 pulse measurements
ionSign Neutron12-CT	12 x current transformer measurements
Carlo Gavazzi EM24 DIN	3-phase energy analyser (only 9600/8N1)

See device specific information for transmitted data structure.

ionSign Neutron15

Neutron15 is a pulse reader designed for consumption meters with a pulse output.



Data transmitted from a Neutron15 device:

Transmission	Modbus address	Description
Data #1	30001	Pulse counter IN1
Data #2	30003	Pulse counter IN2
Data #3	30005	Pulse counter IN3
Data #4	30007	Pulse counter IN4
Data #5	30009	Pulse counter IN5
Data #6	30011	Pulse counter IN6
Data #7	30013	Pulse counter IN7
Data #8	30015	Pulse counter IN8
Data #9	30017	Pulse counter IN9
Data #10	30019	Pulse counter IN10
Data #11	30021	Pulse counter IN11
Data #12	30023	Pulse counter IN12
Data #13	30025	Pulse counter IN13
Data #14	30027	Pulse counter IN14
Data #15	30029	Pulse counter IN15

ionSign Neutron12-CT

Neutron12-CT is the most affordable solution for monitoring electricity consumption. Based on current transformer measurements, it does not require separate energy meters at all.



Data transmitted from a Neutron12-CT device:

Transmission	Modbus address	Description	Multiple
Data #1	40001	kWh CT1	*1000
Data #2	40003	kWh CT2	*1000
Data #3	40005	kWh CT3	*1000
Data #4	40007	kWh CT4	*1000
Data #5	40009	kWh CT5	*1000
Data #6	40011	kWh CT6	*1000
Data #7	40013	kWh CT7	*1000
Data #8	40015	kWh CT8	*1000
Data #9	40017	kWh CT9	*1000
Data #10	40019	kWh CT10	*1000
Data #11	40021	kWh CT11	*1000
Data #12	40023	kWh CT12	*1000

Carlo Gavazzi EM24 DIN energy analyser

Consumption meter and power analyser for 3-phase networks with both symmetric and asymmetric load.



Data transmitted from a Carlo Gavazzi EM24 device:

Lähetys	Modbus-osoite	Kuvaus	Kerroin
Data #1	30063	KWh(+) TOT	*10
Data #2	30071	KWh(+) L1	*10
Data #3	30073	KWh(+) L2	*10
Data #4	30075	KWh(+) L3	*10