

# RENLOGGER

Product Sheet

## Complimentary communications system

With direct integration on all PRISMA products and numerous other manufacturers



Figure 1 RENLOGGER – The communication and special functions device for the PRISMA series

### The solution for data management and optimization for the plant's data

**RENLOGGER is a device specifically made to provide support on photovoltaic plants and integrate them on other systems. It is a platform over which several functions are distributed to provide specific services to the plant. It allows us to gather data from the installed devices, publish this information in several ways, and make local decision for different, but usual, specialized functions on these kind of plants.**

#### Characteristics

##### On-plant functions

Multifunctional device with capacities to:

- Obtain complete system information, including inverters meters, regulators, meteorological stations...
- Update remotely it's own functions as well as from connected devices (firmware PRISMA)
- Local database – Extensive offline storage.
- Plant local web access, with possibility to see the live plant
- Summing meter for the publishing of consolidated data (Loggers, SCADA,...)
- Special protocol gateway
- Diverse regulations (Surplus notification, reactive ...)

**The use of a Renlogger on an installation allows us to gather data from the Ethernet connected devices and represent them on the Sunscada platform**

#### Communications functionalities

- Allows securer configuration (hardening) on safe informatic environments
- Router server (Allows to integrate 3G/4G card for mobile communication)
- Wifi and LAN communication (Either as client or publish DHCP)
- VPN client for action, publishing and remote updating
- Configurable Wifi consumption or publishing
- Optional extension with additional Ethernet port for the network's physical segmentation (client informatic vs photovoltaic plant devices)

#### Accessories

For the correct functioning of the RENLOGGER device, it is provided with the hardware (depending on the application) and all the necessary accessories for a complimentary communications system.

The most common accessories(·) are:

- 1 Pololu charger.
- 1 USB cable// micro USB
- 1 USB-RS485 cable

\* Accessories are valued independently

#### Physical characteristics

#### Technical details

# Datos técnicos

<b>Energy supply Power supply</b>	220 VAC, 50-60Hz Adaptor DA-65C19, 19V, 3.42A, 65W
<b>Work Conditions</b>	0..+40°C // 5-95% HR condensation free
<b>Size (mm)</b>	132x118x56,4
<b>VESA</b>	100mm x 100mm
<b>Weight</b>	650gr.
<b>Protection level</b>	IP20

<b>Tamaño de RAM de la tarjeta gráfica</b>	1024 MB
<b>Number of USB 2.0 ports</b>	3
<b>Number of USB 3.0 ports</b>	3
<b>Processor brand</b>	Intel
<b>Number of processors</b>	4
<b>SSD Size</b>	64 GB

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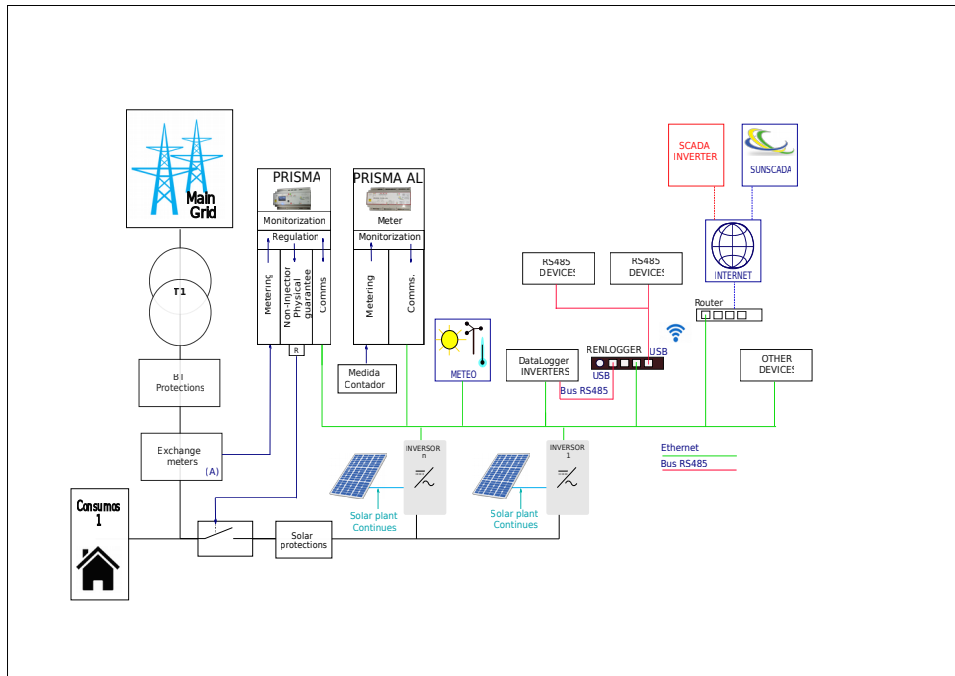
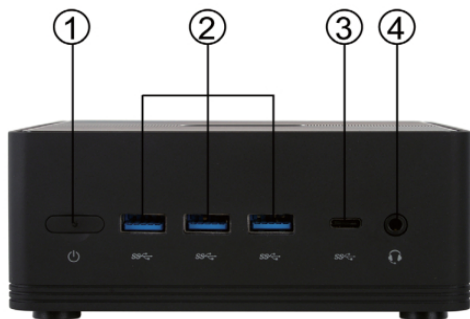
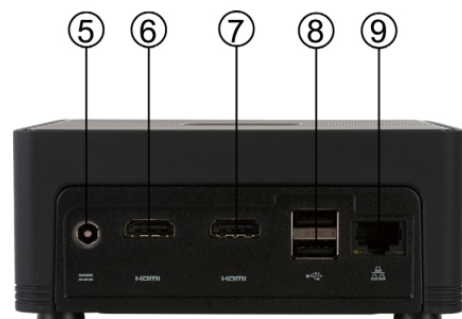


Figure 2 Self consumption plant scheme with RENLOGGER and several device integration solutions

## Connection scheme



- 1 – Power button
- 2 - USB 3.0
- 3 - USB type C
- 4 - Headphones



- 5 – Input supply CC
- 6 - HDMI
- 7 - HDMI
- 8 - USB 2,0
- 9 - Ethernet