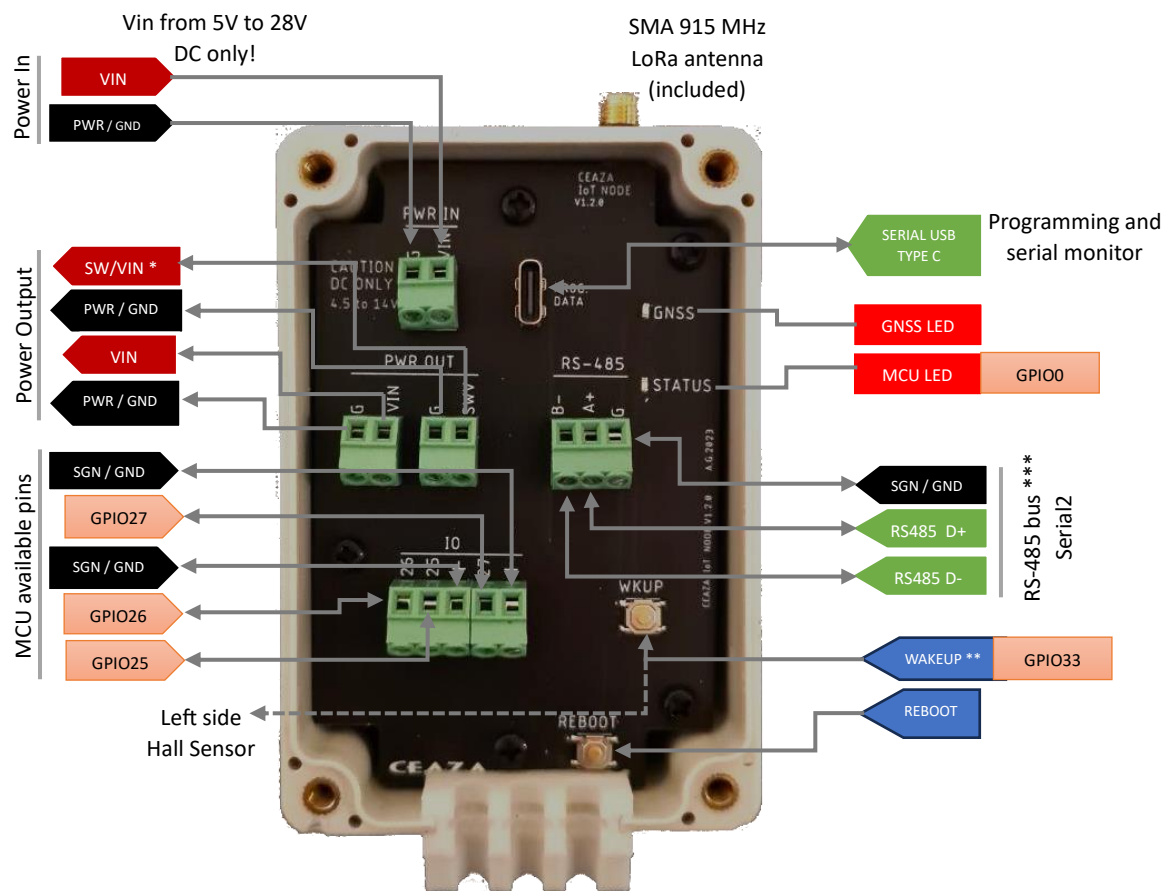


CTL1200- V1.2 Datalogger pinout by CEAZA

1-Gbit internal Flash memory



Microcontroller (MCU): **ESP32-WROOM-32E (16MB)**

- * SW/VIN is controlled by GPIO5 output status. Its output voltage is the same as VIN when activated.
- ** Wakeup function can be triggered by the internal button or externally by put a magnet close to the left side hall sensor.
- *** RS-485 is built-in a 220 Ohm end of line resistor. It's signal ground it's only for data reference, not for power transmitting .

<div></div>	Power pin (Input / Output)
<div></div>	Ground pin. Power ground (PWR / GND) and Signal ground (SGN / GND)
<div></div>	MCU GPIO pin. 3.3V logic
<div></div>	Dedicated communication pins / Terminal
<div></div>	LED
<div></div>	Mechanical / magnetic Button

Internal measurements

Vin monitor:	Attached to GPIO34 as analog input. Highly recommended calibrate before use.
PCB Temperature:	Attached to GPIO35 as analog input.

RF Capabilities

Wifi / BLE:	At 2400 MHz. With shared embedded antenna.
LoRa:	At 915 MHz, compatible with LoRawan. Included SMA external antenna.
GNSS:	Compatible with GPS and BDS constellation. Internal GNSS antenna. Module attached to UART1 at 9600bps.