SenseCAP S2100
LoRaWAN Data Logger / DTU

Specifications

Interface*	
Current Input	4 to 20 mA (2 channel)
Voltage Input	0 to 10 V (2 channel)
RS485	RS485 Modbus-RTU Protocol
GPIO	1xGPIO(Pulse or Level Mode)
General Parameters	
Product Model	SenseCAP S2100
Microcontroller	Wio-E5
Support Protocol	LoRaWAN v1.0.3 Class A
Built-in Bluetooth	App Tool to change parameters and set data conversion algorithm
LoRaWAN Channel Plan	IN865/EU868/US915/AU915/ AS923/KR920/RU864 **
Max Transmitted Power	19dBm
Sensitivity	-136dBm@SF12 BW=125KHz
Communication Distance	2 to 10 km (depending on gateway antenna and environments)
IP Rating	IP66
Operating Temperature	-40 to +85 ° C
Operating Humidity	0 to 100 %RH (non-condensing)
Device Weight	280g
Certification	CE / FCC / RoHS
Power Supply***	
Sensor Power	3V / 5V, 12V(DC only)
PCBA Power	12V DC or Battery(contained)
Battery Life	Depends on the power consumption of the sensor
Battery Capacity	19Ah (non-rechargeable)
Battery Type	Standard D-size SOCl2 Battery

* Hardware supports all interfaces, but the software supports only one interface type to collect data simultaneously. For example, if the 4 to 20mA is selected, the RS485 interface cannot be used at the same time.

** One device supports different frequencies and can be configured via the Bluetooth App.

*** Both external power supply and battery power supply are supported. If 12V is connected to an external power supply, the external power supply is preferred and the battery is used as the backup power supply. The DTU supports 3V and 5V sensors when battery power.

Dimension