

HerMeas

HerMeas is designed to meet requirements of many trades: management of cold rooms, museum conservation, viticulture, ...

They all have one thing in common: the need to use sensors to measure temperature, humidity, atmospheric pressure, brightness and many more.

Main advantage: HerMeas can be reconfigured as needed. Optional sensors are added to HerMeas to compose a system adapted to each profession and each client.

HerMeas is therefore an essential single-board system that can meet most of the needs in terms of Internet of Things (IoT) applications.



ELECTRICAL

Supply voltage 3.3 V
Consumption in Run Mode 100 mW
Consumption in Shutdown Mode 800 μ W in deepest configuration

MECHANICAL

Dimensions 55 x 35 x 10 mm

ENVIRONMENTAL

Operating temperature - 40 to 85°C

PERFORMANCE

CPU STM32L476ZGT6
Core ARM Cortex-M4
Frequency 80 MHz
On-board Memory MicroSD (Up to 64 GB)

DIGITAL I/O

Number of Digital I/O 4
Input voltage 3.3V

ANALOG INPUT

Number of channels 1
ADC resolution 12 bits
Sampling Rate Max. 1 MHz
Input range 0-5 V or 4-20 mA

PERIPHERALS

USB Mass Storage to access On-board Memory
Bus Connectivity I2C, CAN, SPI, USART
Internet of Things LoRaWAN and SigFox ready

SOFTWARE

IDE Atollic TrueSTUDIO
Update via JTAG or « In-Application Programming » via USB



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