HERACLESUINO 224G

Easy sensor to cloud development platform

HERACLESUINO 224G is a full development kit allowing the design of a connected application in few steps.

It includes all the necessary features of most of mobile and non-mobile IoT applications. It can be operated from a Lithium-Ionbattery, a DC power supply or a USB source.
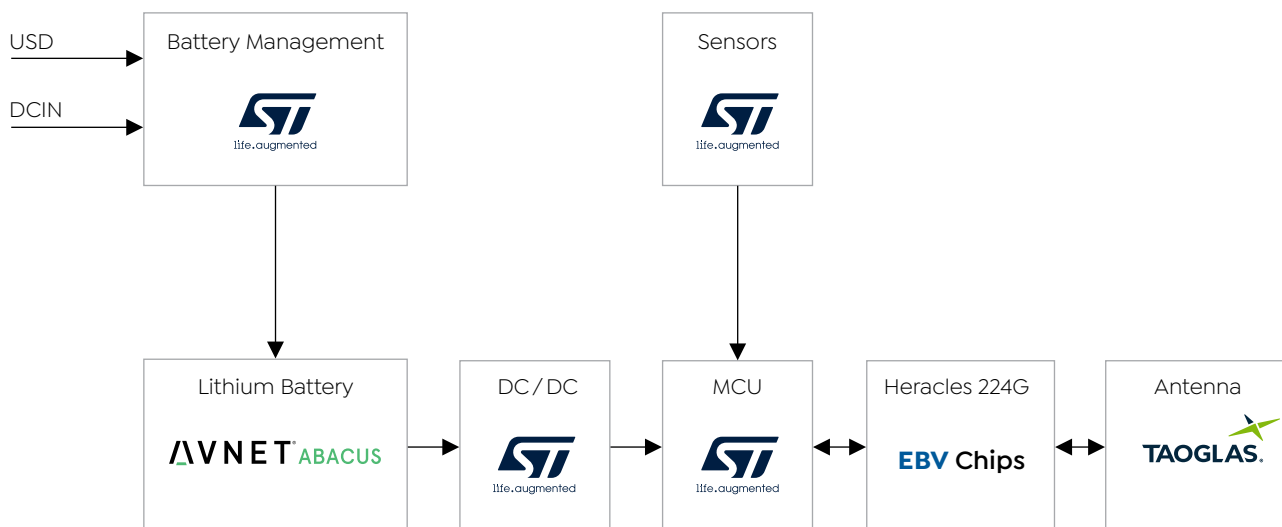
The application runs from a low power STM32 micro controller. It incorporates a variety of usual sensors needed for a wide range of application such as temperature, hydrometer, accelerometers, gyroscopes, ambient light, pressure and magnetometers sensors.

The reference application execute most of the common features used by customers such as the low power management including voltage scaling, the sensor management, the module management, the MQTT/MQTTS protocol up to the transfer to a cloud

platform. It is delivered as a source code allowing customers to find the best fit for their application. The Heraclesuino 224G is also compatible with Arduino shields in order to easily add further features.

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Heraclesuino 224G block diagram

Heraclesuino 224G main components

Component	Part number / Partner
2G, 4G LTE-M, NB IoT module	Heracles 224G / EBVchips
1050mAh Lithium polymer battery	LP503562IS 3 provided by Avnet Abacus
Ultra low power DC/DC	ST1PS01 / STMicroelectronics
Battery Charger	L6924U / STMicroelectronics
STM32L433 Microcontroller	STMicroelectronics
3D Accelerometer & 3D gyroscope	LSM6DSL / STMicroelectronics
Humidity & Temperature sensor	HTS221 / STMicroelectronics
3D Magnetometer	LIS2MDLTR / STMicroelectronics
Pressure sensor	LPS22HB / STMicroelectronics
Antenna	PA.26A / Taoglas

Heraclesuino 224G kit content

- Heraclesuino 224G
- 500MB of connectivity for 8 years, roaming included
- EBV_miniSTLink
- USB cable
- Quick Start guide
- Firmware download from www.ebvchips.com after registration & EULA signature

Contact your EBV sales representative for more details.

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