

Press Release

EBV Elektronik Introduces the Development Kit Heraclesuino 224G

Munich/Poing, 27th February 2019 - EBV Elektronik, an [Avnet](#) company (Nasdaq: [AVT](#)) introduces the full development kit Heraclesuino 224G which enables customers to easily design a connected application. The development kit features the [Heracles 224G](#), the latest device from the EBVchips program that was introduced during electronica.

The development kit includes all the necessary features for most of the mobile and non-mobile IoT applications. It can be operated from a lithium-ion battery, a DC power supply or a USB source. The application runs on a low power STM32 microcontroller. It incorporates a variety of basic sensors needed for a wide range of applications such as temperature, hydrometer, accelerometers, gyroscopes, ambient light, pressure and magnetometers sensors.



The reference application executes most of the common features required by customers such as: low power management including voltage scaling, sensor management, module management, and 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.

“With the Heraclesuino 224G development kit we are providing a solution that makes it easy to test and design a mobile IoT application. The kit is based on the EBVchip Heracles 224G with its benefit of enabling 2 to 4G prepaid connectivity,” explained Daniel Pires, Product Marketing Manager at EBV Elektronik. “In addition, the kit features an Arduino shield compatible form factor allowing the customers to add other individual features. The Heraclesuino 224G was developed in conjunction with our partners Orange, SIMCom, STMicroelectronics, Taoglas and Avnet Abacus.”

Technical Specifications and Package Details of the Development Kit

- Heraclesuino 224G main components
 - Heracles 224G - a 2G, 4G LTE-M, NB IoT module
 - 1050mAh lithium polymer battery
 - Ultra low power DC/DC
 - Battery charger
 - STM32L433 Microcontroller
 - 3D Accelerometer & 3D gyroscope
 - Humidity & Temperature sensor
 - 3D Magnetometer
 - Pressure sensor
 - Antenna
- 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

For more information, please visit: www.ebv.com/heracles.

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About EBV Elektronik

EBV Elektronik, an Avnet (NASDAQ:AVT) company, was founded in 1969 and is the leading specialist in European semiconductor distribution. EBV maintains its successful strategy of personal commitment to customers and excellent services. 240 Technical Sales Specialists provide a strong focus on a selected group of long-term manufacturing partners. About 120 continuously trained Application Specialists offer extensive application know-how and design expertise. With the EBVchips Program, EBV, together with its customers, defines and develops new semiconductor products. Targeted customers in selected growth markets will be supported by the Vertical Sales Segments. Warehouse operations, complete logistics solutions and value-added services such as programming, taping & reeling and laser marking are fulfilled by Avnet Logistics, EBV's logistical backbone and Europe's largest service centre. EBV operates from 65 offices in 29 countries throughout EMEA (Europe – Middle East – Africa). For more information about EBV Elektronik, please visit www.ebv.com. Further information about Avnet is available via www.avnet.com.

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