

Press release

EBV Elektronik introduces compact, versatile LPWAN solution combining performance, power efficiency and secure operation

Poing, Germany, 24th February 2021 – EBV Elektronik, an Avnet company (NASDAQ: AVT), continues to introduce advanced communication hardware to support ongoing IoT proliferation. Part of the company's own highly successful EBVchips program, the HERACLES 324M is a next generation low-power wide-area network (LPWAN) module. Offering simple plug-and-play implementation, it is designed to facilitate migration from legacy 2G deployments to modern 4G technology.

At the heart of this module is a Qualcomm 9205 multi-mode chipset, which features a power-efficient LTE-M modem, along with GPRS/EDGE modem functionality. An ultra-low-power application processor is also incorporated. This has 512KB of flash memory resource, plus 160KB of embedded SRAM. UART, PCM, SPI, I²C and 33 general purpose IO (GPIO) interfaces are also included, as well as GNSS location capabilities. The built-in SIM card allows pre-paid data packages to be utilised, thereby giving the module free access to mobile networks across Europe and thus avoiding additional operational costs. The available packages are for 50MB of data over a five-year period, or 500MB over 10 years.

The compact form factor, in a land grid array with 24mm x 22mm dimensions, means that this module is suitable for implementation in a wide array of low-throughput applications such as smart metering, environment monitoring, asset tracking, mobile point-of-sales units, smart agriculture, telematics and remote healthcare monitoring. A working temperature range of -40°C to +85°C is covered.

Thanks to a highly effective power-saving mode plus its extended discontinuous reception (eDRX) function, the HERACLES 324M module is unmatched when it comes to conserving battery charge. As a result, it can support ongoing operation for over a decade. It offers full backward compatibility with earlier models in this family with the same form factor to both the HERACLES 2G and HERACLES 224G.

“With this latest addition to the HERACLES portfolio, we are further expanding the scope of support for those looking to install new cellular IoT infrastructure or to upgrade existing implementations” said Frank-Steffen Russ, Senior Director Market Segments at EBV Elektronik. “By utilising the extremely flexible HERACLES 324 module, customers will be able to benefit from secure, low latency communication with enhanced RF performance plus greater coverage.”

###

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. 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.

About Avnet

Avnet is a global technology solutions provider with an extensive ecosystem delivering design, product, marketing and supply chain expertise for customers at every stage of the product lifecycle. We transform ideas into intelligent solutions, reducing the time, cost and complexities of bringing products to market. For nearly a century, Avnet has helped its customers and suppliers around the world realize the transformative possibilities of technology. Learn more about Avnet at www.avnet.com.

Media Contact

Anja Woithe
Senior PR Manager Avnet EMEA
Anja.woithe@avnet.eu
+49 (0) 8121 774 459