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Powerful and compact: the new OEM module series "deRFsamR21" from dresden elektronik.

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Smaller, more compact, more powerful - these are the requirements for wireless modules in times of Smart Home and House Automation.

Within this, flexible applications should be ensured in all production areas – and in the sense of wireless control with ZigBee, a ZigBee 3.0-supporting and thus a future-proof module generation is preferable.

All these requirements are fulfilled by the new OEM module series in 2nd generation, which is now presented by dresden elektronik. The modules of deRFsamR21 series offer developers and OEMs outstanding advantages in the world of energy-efficient short-range wireless control.

Whether in terminals, gateways, for lighting solutions, in the field of building automation, for a smart position and level measurement, or in the field of smart metering - the possibilities for using these small modules are numerous.

With the new deRFsamR21 series from dresden elektronik, customers get a powerful ARM® Cortex® M0 + 32-bit microcontroller with integrated 2.4 GHz transceiver, *which is suitable for future ZigBee 3.0 projects*. With 256KB internal flash, the deRFsamR21 provides enough space for extensive programs - the 4-MBit DataFlash also allows firmware updates via radio (OTAU). The second-generation of OEM wireless modules have an optimized footprint with solderable side contacts in the 50 mil / 1.27 mm grid - for good soldering and repairability. Thus dresden elektronik offers customers the possibility to use modules with Zigbee 3.0 firmware.

You can get a first impression of the innovative modules in just a few weeks. From 14.03 - 16.03.2017, dresden elektronik presents itself and the new modules at the embedded world in Nuremberg. In addition to the wide range of services and solutions in the EEMS area, dresden elektronik also presents its visitors the advantages of the deRFsamR21 series.

Already in the second quarter of 2017, the first version without firmware will appear on the market.

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About dresden elektronik

With currently approximately 100 employees, dresden elektronik develops and manufactures products and customized solutions in the fields of low-power wireless communication, controllers for traffic light systems, modular display technology for public transportation management as well as measurement and testing technology.

For wireless sensor networks based on the low-power wireless standard IEEE 802.15.4 the product range extends from optimally-tuned hardware components such as radio modules and USB sticks to easy-to-use control tools for ZigBee networks all the way to customized turn-key solutions.

For 25 years dresden elektronik has been active on the market as a competent partner for the development of complex electronic devices and volume production. From the very first idea to the finished product, we assist our customers in solving unique and ambitious tasks. Products from dresden elektronik are applied in numerous branches such as mechanical engineering and construction, stagecraft, traffic guidance technology, automotive industry, measurement and test engineering, medical engineering, semiconductor industry, precision equipment engineering, and in research and development.