

IoT infrastructure demonstration by Endrich @ Embedded World 2020 in Nuremberg

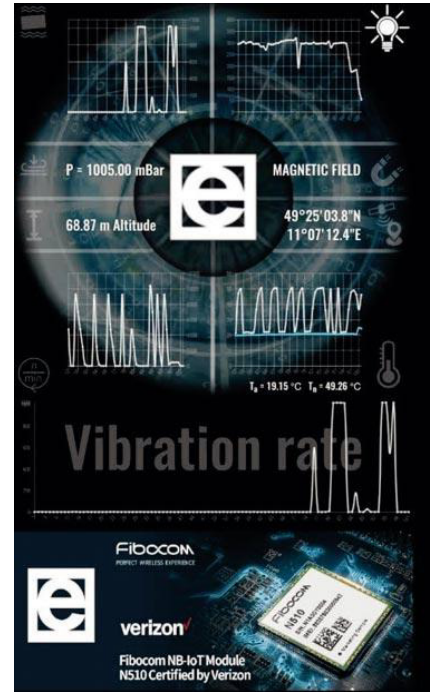
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Endrich Bauelemente Vertriebs GmbH one of the leading design-in electronic component distributor presented a working IoT infrastructure on Embedded World 2020 exhibition in Nuremberg at 25-27 February.

Sensors from our suppliers such as ambient light sensor of Everlight, temperature sensor from Semitec and Tateyama, magnetic sensor from TDK Micronas, vibration sensor from Sensolute, and pressure sensor from TE collect data continuously on the booth controlled by the new RISC-V architecture based GigaDevice micro-controller and transmitted to the Endrich Cloud Database service via NB-IoT modem MA510 of Fibocom.

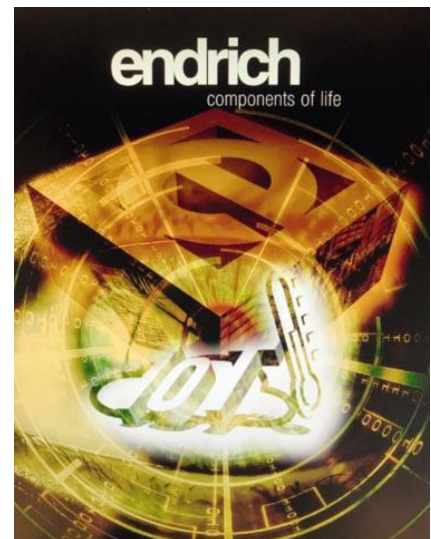
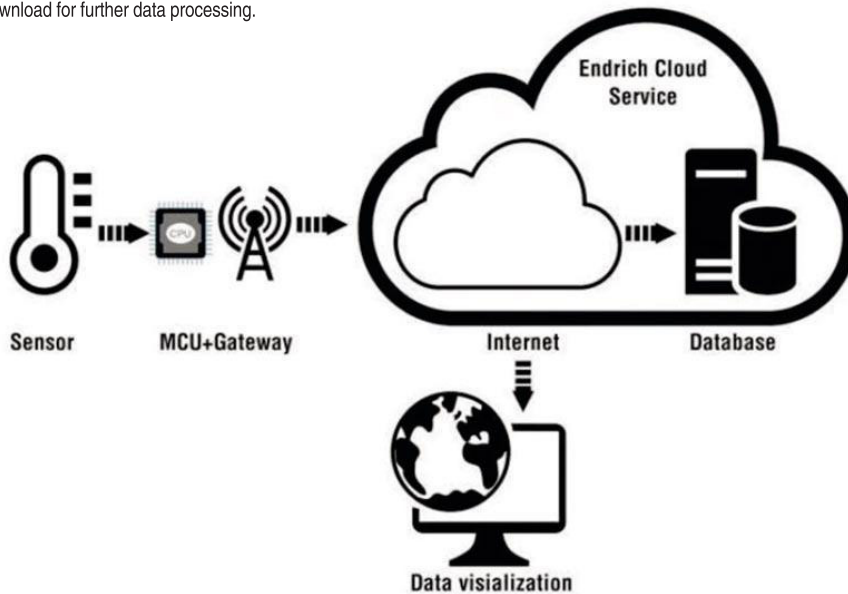
The database may also be used by our customers to place data during development phase of their own IoT devices free of cost. The collected data are accessible through WEB interface and the visual representation is done by visitors' mobile devices and several displays of our suppliers such as Faytech and DLogic.

The IoT ecosystem can be seen on the figure where sensors and data transmission over the Internet are controlled by MCU. Encrypted sensor data are stored in Endrich's Cloud Database Service from where user can download for further data processing.



For the show Endrich has made a visual data display interface which offers an attractive way of checking environmental data such as light intensity, air pressure, altitude, GPS coordinates, ambient temperature and the presence of vibration and magnetic field easily.

The sensor board's documentation as well as the developed software codes are available for our customers as reference designs. During and after the show one could access the sensors' data through the following website continuously: <http://www.endrich.hu/iot-sensor-board/>



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