Hannover Messe 2015, Hall 9, Booth D35

New RFID transponder with large memory and a mobile handheld reader

- RFID transponder with large memory for production and logistics
- FRAM technology supports any number of write operations at high speeds
- Mobile read/write device for reliable data acquisition in logistics and service applications

Siemens is expanding its RFID product range, Simatic RF600, with new transponders that have considerably greater memory capacities and a compact mobile read/write device. With a capacity of 4 KB, the new UHF RFID data carriers, RF622T and RF622L, enable large volumes of data to be stored on tagged objects as well as facilitating rapid access to them. They are therefore ideally suited to use in distributed configurations for example in the fields of production control, asset management and intra-logistics. Siemens is also launching the new mobile handheld reader, Simatic RF650M. This enables reliable identification of a large number of transponders at a range of up to three meters. The device is specially designed for logistics and service applications.

The FRAM memory technology (ferroelectric random access memory) of the Simatic RF622T and RF622L transponders enables high-speed writing as well as an unlimited number of write cycles. Simatic RF622L is a cost-efficient smart label which is ideally suited to the permanent identification of products. It can be individually printed from a roll, for example with plain text or additional optical codes. In contrast, the robust and hardened RF622T transponder has been designed for fixing to pallets or containers. It can be attached to metal surfaces with the optional spacer. The dimensions of the RF622T transponder are 120 x 30 x 6.5 mm, and those of the RF622L smart label are 90 x 18 x 0.5 mm. With a range of up to three meters, both offer long reading distances.
The handheld reader, Simatic RF650M, features a color touch display with a resolution of 240 x 320 pixels, a rugged keypad and a large trigger button. These ensure reliable and user-friendly operation. To save space, users can fold down the RFID antenna. The device dimensions of only 147 x 60 x 39 mm mean it can easily be carried in a pocket and its low weight of only 235 g, including the rechargeable battery, allows fatigue-free use over long periods. The battery has a life of up to nine hours, ensuring that the device is supplied with power for at least the length of one shift. Users can also create their own applications for the device based on the Microsoft Windows Embedded operating system. For servicing work, the supplied RFID software can also be used for reading and writing from and to transponders. This means that transponders are easy to read or reprogram for test purposes, during maintenance work for example.

The Simatic RF600 range is particularly suited to identification applications in production and logistics in which cost-effective data carriers with a long range are required. Siemens also presented a new reader generation as an expansion to the Simatic RF600 family in October 2014.

The press information, as well as a press photo may be found at
http://www.siemens.com/press/PR2015030125PDEN

For further information on RFID systems, please see www.siemens.com/ridf

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