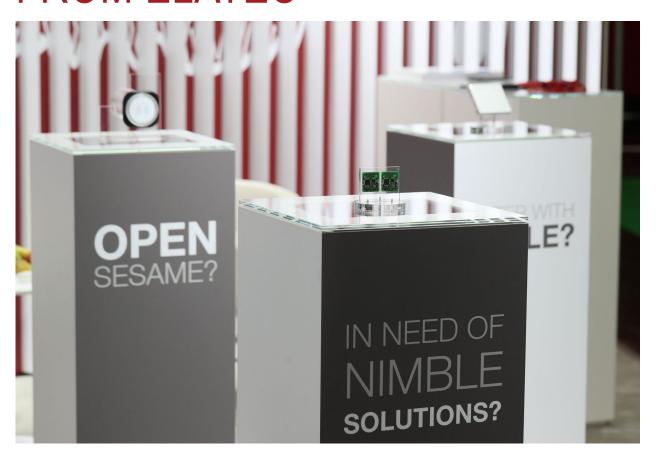


INTEGRABLE MULTIFREQUENCY READERS FROM ELATEC



03/31/2023 - Elatec showcased its broad portfolio of multifrequency readers at the Embedded World Exhibition&Conference.

Visitors to the exhibition were able to find out about the wide range of possible applications for the readers. Among other things, solutions for e-charging columns and machine authentication were presented. The TWN4 MultiTech HF Mini is a reader suitable for implementing a secure and powerful authentication solution for e-charging stations. The multi-technology mini reader supports RFID technologies from the high-frequency range and optionally also NFC. During development, special attention was paid to small size, low power consumption and high flexibility. Thanks to the compact dimensions, it is possible to integrate the reader directly on a motherboard.

In complex production environments with automated and connected systems, machine authentication is essential. The TWN4 MultiTech Nano M series readers are so compact that they can be easily integrated into machines and devices. In addition, to further simplify integration, all components are installed on only one side of the printed circuit board. Connection to external antennas is implemented via cables or circuit boards. The modules support all common RFID technologies from the LF and HF frequency ranges, including NFC. They are highly customizable and their behavior can be automated, depending on various criteria.

The TWN4 Palon Compact Panel, designed specifically for integration with third-party products and devices, was also on display at the show. The panel supports a variety of interfaces, particularly RS-485. TWN4 Palon Compact Panel is a cross-technology reader/writer family that covers nearly all contactless technologies in the 125 kHz as well as 13.56 MHz frequency ranges, including NFC. An integrated BLE (Bluetooth Low Energy) module also supports a wide range of mobile identification and authentication solutions.

The TWN4 Slim is a compact, external reader suitable for computers, multifunction printers and other devices. It can be used as a standalone device that connects to a PC or other equipment with a USB interface via a cable with a micro-USB interface. All HF and LF transponder technologies are supported, as well as NFC/BLE mobile badge systems.

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