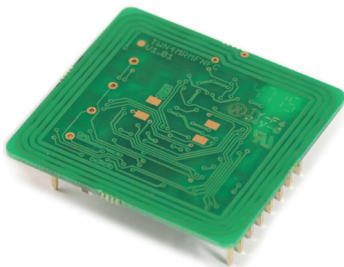




RFID SOLUTION FOR PUBLIC TRANSPORT

EMAR is a Polish manufacturer of fiscal printers and ticket machines for public transport. They offer a new version of the "EMAR 205" cash register. This is a specialized device for selling passengers tickets on the bus with the option of handling electronic RFID tickets. To secure the legal use of RFID tickets, they include an Elatec TWN4 MultiTech HF Mini Reader. The solution also supports migration from the MIFARE Classic®* to the modern MIFARE Plus®* technology.



TWN4 MultiTech HF Mini

SITUATION

Previously, EMAR manufactured fiscal printers equipped with a simple RFID module that supported the MIFARE Classic®* technology. By the current state of technology, they need to secure a future-based way to prevent the illegal use of tickets.

CHALLENGE

Increasing safety requirements demanded an upgrade to a modern technology EMAR and a universal reader for their new device. The new reader had to enable the following:

- + migration to a new technology
- + possibility of simultaneously using two technologies
- + be small and easy to integrate into the device



TWN4 MultiTech Mini Reader inside of "EMAR 205" cash register with the option of handling electronic RFID tickets.

SOLUTION

EMAR chose an Elatec TWN4 MultiTech HF Mini Reader. It is a small, programmable HF reader with an antenna for easy integration. This enabled the smooth migration to the new technology until the MIFARE Classic®* cards could be completely taken out of circulation and replaced with the new ones. EMAR can offer a modern, future-oriented cash register device – the EMAR 205 – to both customers updating their technology as well as to transport companies and municipalities newly implementing RFID tickets for public transport.

PRODUCT

The recommended product in this case is an Elatec TWN4 MultiTech HF Mini Reader. For more info: www.elatec-rfid.com/case-studies/



Easy to integrate and to use for everyone

* MIFARE Classic® and MIFARE Plus® are trademarks of NXP B.V. and are used under license.