

CASE STUDY

RFID FOR MATERIALS HANDLING EQUIPMENT



Driver ID

A Single Part Number Solution for Industrial Fleet Safety, Security and Compliance

REQUIREMENTS

This customer wanted a smart, flexible RFID reader that would meet the needs of its diverse customer base in the material handling market. The reader needed to be able to:

- + Provide secure and accurate user identification and access control
- + Read all of the card technologies their clients might be using
- + Integrate with their existing telematics hardware and software
- + Be easy to reconfigure for new technologies or functionality

BENEFITS

- + Compatible with multiple RFID badge technologies
- + Compact to fit the form-factor of their hardware
- + Supports rapid contactless configuration and updates

PRODUCT: TWN4 MULTITECH 3

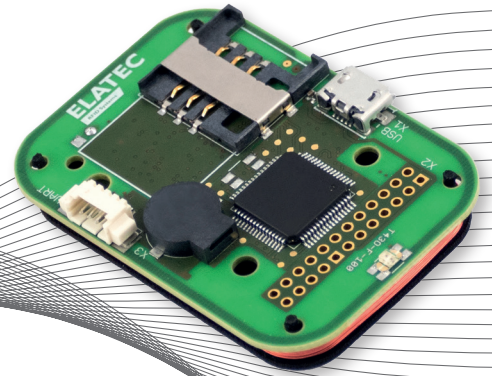
- + Compact and adaptable
- + Reads 60+ transponder technologies
- + Certified for use in numerous countries
- + Easy to reconfigure

TWN4 MULTITECH 3

ELATEC recommended the TWN4 MultiTech 3, a compact and powerful RFID reader/writer that can accommodate 60+ card technologies.

For more information:

www.elatec.com



SITUATION

The customer provides telematics solutions for materials handling equipment such as forklifts and other powered industrial trucks. They integrate RFID into their telematics hardware for user identification and access control. RFID provides a higher level of security than physical key or PIN systems and enables driver identities to be matched with equipment for behavioral tracking and compliance management. Their clients use the same corporate ID cards that employees use for front door access to enable access to industrial vehicles for authorized employees.

“RFID provides very strong access control to ensure that only authorized, certified, and trained operators can use that equipment. 98% of our industrial customers use RFID because of the level of security it provides them.”

– General Manager, Customer

CHALLENGE

Previously, they purchased RFID readers from two different companies to accommodate the different card technologies their clients were using. Using multiple readers created challenges for inventory management and did not accommodate all of the possible technologies their customers might use. It also limited their ability to accommodate customers that used a mix of technologies at different locations or who changed technologies after implementation.

The customer wanted a single reader that would work with all of the technologies used by their customers. The reader also needed to be easy to reconfigure after installation to meet the needs of customers who changed card technologies. Finally, it had to fit within the limited space inside their telematics hardware and connect to their backend software systems to enable driver behavioral management, safety and compliance tracking.

SOLUTION

The ELATEC TWN4 MultiTech 3 met all of their requirements and allowed them to replace both of the readers they used previously with a single part number to simplify inventory management. The TWN4 MultiTech 3 is configurable for 60+ card technologies, maximizing their market opportunities and helping them better serve customers using multiple technologies.

The TWN4 MultiTech 3's compact design fits easily into their existing telematics box. ELATEC created a custom wire harness and wrapped the unit in shock-absorbing foam. The readers can be easily reconfigured with a contactless card to activate new card technologies or upgrade firmware to meet emerging security and functionality requirements.

The customer now has nearly 10,000 ELATEC readers installed in forklifts and powered industrial trucks. The TWN4 MultiTech 3 provides secure, reliable user identification and access control to help their customers improve safety and compliance for their industrial fleets.

“ELATEC’s MultiTech reader provides a big benefit in terms of inventory management and cost. It also allows us to support customers who may be using more than one technology or who need to change technologies. They know that whatever they are using, our telematics solution can accommodate them.”

– General Manager, Customer



ELATEC is a world leader in RFID readers for user authentication in access control and authorization applications. Their multifunctional readers can be programmed to support a broad range of RFID technologies and applications.

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