

ELATEC

RFID Systems



EV CHARGING APPLICATIONS

ADAPTABLE. FLEXIBLE. FUTURE PROOF.

elatec.com

SMART AUTHENTICATION SOLUTIONS FOR CHARGING STATIONS

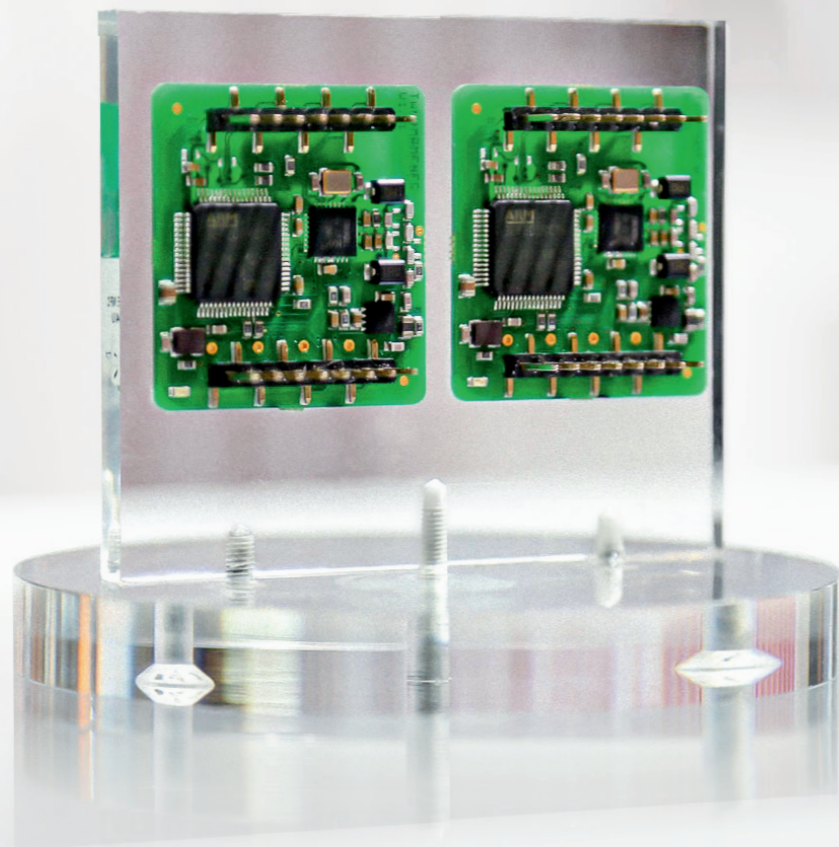
As the electromobility sector grows, so too does the need to authenticate users at EV charging stations.

Whether your company manufactures or operates fast charging stations with direct current for highways and expressways, alternating current stations for longer charging processes at home or at work, or high-voltage alternating current stations for quick charging at the service station: modern authentication solutions offer you maximum flexibility and security for your infrastructure.

RFID is a convenient, secure and flexible authentication option for both public, fee-based charging stations and privately managed charging infrastructure. Drivers can instantly unlock access to charging services via an ID badge or smartphone app. And station managers have complete transparency into who has accessed charging infrastructure, when and for how long.

ELATEC works with OEMs and station operators in the EV charging sector to design and implement flexible, future-proof and highly secure access solutions. Solutions that work anywhere in the world, with practically any transponder technology. And grow and adapt with you as your needs or regulatory requirements change.

- Prevent misuse of charging infrastructure and protect user data.
- Track user behavior and connect users with loyalty programs, billing or member management.
- Simplify and future-proof your authentication systems.



HOW YOU BENEFIT



SECURITY

With RFID, only authorized persons have access to your charging infrastructure and customer data is protected from misuse at all times.



TRANSPARENCY

RFID authentication enables accurate tracking of who accessed an e-charger, when, and for how long. This simplifies and improves billing, membership management or consumer behavior tracking.



CONVENIENCE

All drivers need to do to access the charging port is hold their card or smartphone in front of the reader. There are no passwords or PINs to remember and manage, and no credit card is required to access charging services.



COST

Our universal readers simplify implementation, inventory management and support to keep deployment and operating costs low.



ADAPTABILITY

Scale and adapt your system for future needs with a unified system that makes it easy to add locations, devices or applications to the total access solution.



GLOBAL REACH

ELATEC universal readers work with 60+ HF and LF transponder technologies plus mobile (NFC/BLE) and are certified for use in 110+ countries for a truly global solution.

ONLY FROM ELATEC

Our powerful combination of authentication products, software and service is unmatched in the industry.

We offer simple, secure and versatile product solutions for EV Charging, single sign-on (SSO), and a broad range of other authentication applications, along with the knowledge and support to implement them. And we'll be with you every step of the way to help you customize and optimize your application. We help you solve your unique challenges with solutions that are: **Secure and powerful. Universal and reliable. Flexible and future-proof.**



SERVICE

The world's best authentication solutions come with the world's best service. Our team is with you all the way with expert advice and hands-on help, from needs analysis and product selection to implementation and post-sale support.

ONGOING SERVICE & SUPPORT

We are here to support you after the sale with advice, optimization and reconfiguration or updates – often remotely!

ELATEC ACADEMY

Extend your authentication knowledge from anywhere. We offer basic and advanced virtual courses and customized webinars.

PRE-SALES CONSULTING

Needs analysis and individual consulting to help you make the best product and configuration decisions.

IMPLEMENTATION & DEVELOPMENT SUPPORT

We'll take care of the hardware and software integration, application development, configuration, and all modifications.



SOFTWARE

Our software solutions help you get the most out of your reader/writer. Our Software Development Kit lets you configure your reader for your precise security standards, communication protocols and IT infrastructure with easy-to-use software tools.

ELATEC MOBILE BADGE BLE NFC

This free customizable app offers simple and effective components for building modern mobile systems or extending existing systems with mobile solutions.

MOBILE CREDENTIALS WITH OUR PARTNERS

ELATEC readers support seamless integration with mobile access credentials from KleverKey, SafeTrust, LEGIC, and many more.

POWERFUL SOFTWARE DEVELOPMENT KIT

Our powerful, easy-to-use DevPack let you modify the configuration of our products to support custom functionality. With its closed ecosystem and secure End2End communication via encrypted keyboard emulation, it is a highly secure development solution.



PRODUCTS

Find the optimal reader for every EV charging project. We offer single- and multi-frequency readers/writers in many configurations and form factors for easy integration with charging infrastructure. We can also customize a solution for you for the perfect fit.



TWN4 MULTITECH 2 HF

The TWN4 MultiTech 2 HF and TWN4 MultiTech 2 M HF readers/writers allow users to read and write to almost any 13.56 MHz tags and/or labels. They support all major transponder technologies from various suppliers like EM, Fujitsu, ST, NXP, TI etc. and ISO standards like ISO 14443A/B (T=CL), ISO 15693, ISO 18092 / ECMA-340 (NFC).



TWN4 MULTITECH 3 M LF HF

TWN4 MultiTech 3 M LF HF integrates RFID (125 kHz and 13.56 MHz) and NFC capabilities into a compact but powerful reader. Its reduced size combined with optimized read/write performance makes it the perfect reader for all applications where small size and full performance matters.



TWN4 PALON COMPACT M LIGHT

TWN4 Palon Compact M Light is a versatile OEM PCB for integration into third-party products and devices. It supports enhanced interfaces, especially RS-485. TWN4 Palon is a multi-technology reader/writer family supporting almost all 125 kHz and 13.56 MHz contactless technologies, including NFC.



TWN4 MULTITECH HF MINI

ELATEC TWN4 MultiTech HF Mini reader is designed for integration into machines, handheld computers or any other human interface devices such as displays, panels, etc. The reader has been optimized for size, flexibility and price. Thanks to its compact dimensions, integration directly on a PC board is possible.



EV CHARGING MADE EASY – WITH THE RIGHT ACCESS CONTROL SOLUTION.

Charging electric vehicles safely and conveniently with RFID card, smartphone app or hybrid solutions.

The white paper highlights the different challenges that charging infrastructure operators need to solve in terms of user authentication and access control. It outlines how OEMs can support operators by equipping charging stations with appropriate readers that handle both RFID and BLE/NFC. You will also learn how to use RFID cards and smartphone-based solutions to meet the security requirements for refuelling electricity.

Get your exclusive whitepaper:



<https://www.elatec-rfid.com/int/whitepaper/whitepaper-for-user-authentication-for-ev-charging>

EASY TO IMPLEMENT AND ADAPTABLE AT ANY TIME.

Your company manufactures charging stations or carries out IT integrations in the electromobility industry?

Then an authentication solution from ELATEC is exactly what you need: easy to implement and adaptable to changing market conditions at any time. And it enables maximum convenience for end customers, through the simplest possible operation, in all cities of the world.

For more information:



<https://www.elatec-rfid.com/int/applications/ev-charging>



ENABLING **EASY** AND **SECURE ACCESS** TO THE EVOLVING **DIGITAL WORLD**

From secure printing to single sign-on to physical access control, ELATEC is helping organizations implement new business models, enhance productivity and maximize security through innovative user identification and authentication solutions. With our unique solution package of product, software and service, digital transformation has never been so easy.

AUTHENTICATION—YOUR WAY.

ELATEC's authentication solutions are built around you, for today and for tomorrow. Our innovative, versatile short-range wireless readers/writers let you design a solution that is right for you—whether via RFID, mobile credentials using BLE/NFC, or complex multi-factor security solutions. When you work with ELATEC, you are working with a reliable long-term partner who can help you select the best products, processes and services for your organization

PARTNERSHIP. QUALITY. SERVICE.

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