Press release
Communiqué de presse
Comunicato stampa
新闻稿 / 新聞稿
プレスリリース
보도자료

T4423S

STMicroelectronics reveals a ready-to-use In-Vehicle system-on-chip solution for Secure Car Access CCC Release 3 compliant

❖ *Combines ST secure element based on certified ST33K-A secure IC and Java® Card platform with G+D Digital Key® applet to provide system-on-chip solution for secure car access*

❖ *Increases car-user convenience and security, compliant with the latest Car Connectivity Consortium (CCC) Digital Key standard*

Geneva, June 13, 2022 – STMicroelectronics (NYSE: STM), a global semiconductor leader serving customers across the spectrum of electronics applications, announces a new platform to accelerate the introduction of digital car keys giving consumers keyless access to vehicles via their mobile device.

In addition to strengthening security, digital car keys can deliver greater owner conveniences including customizable usage privileges while continuing to secure the vehicle. Activities such as car sharing, fleet management, and vehicle rental gain benefits such as easier key issuance, usage controls, and access for valeting and servicing.

Based on the most recent ST Automotive grade Secure Element hardware, the global solution, developed in collaboration with Giesecke+Devrient (G+D), supports the latest Car Connectivity Consortium (CCC) Digital Key release 3.0 standard, ensuring the highest security and protection currently available.

"*Leading automotive brands can now quickly build standards-based, secure car-access solutions that deliver added value for vehicle owners and users*," said Laurent Degauque, Marketing Director, Secure Microcontrollers, STMicroelectronics. "*Our solution based on automotive Grade embedded secure element ensures state-of-the-art protection to lead widespread market adoption of digital keys for connected cars.*"

"As a long-standing partner in security and connectivity for the automotive sector, G+D contributes a wealth of experience in the field of access control for cars", says Mario Feuerer, Global Vice President Product Management Connectivity at G+D. *"Our G+D Digital Key® application, based on the new ST chip platform, is highly resistant to attacks and features smart and convenient customer access solutions based on NFC, Ultra-Wide-Band and BLE."*

ST's STSAFE-VJ100-CCC in-vehicle system-on-chip solution is based on CC EAL6+ certified, automotive-grade 2 ST33K-A secure IC, integrating Java® Card applications. The SoC stores credentials and other sensitive information, and performs cryptographic operations required to implement CCC Digital Key Release 3 use cases like owner pairing, key sharing, key termination/deletion. This provides a robust foundation for customers to build their digital car-key solutions.

About STMicroelectronics

At ST, we are 48,000 creators and makers of semiconductor technologies mastering the semiconductor supply chain with state-of-the-art manufacturing facilities. An integrated device manufacturer, we work with more than 200,000 customers and thousands of partners to design and build products, solutions, and ecosystems that address their challenges and opportunities, and the need to support a more sustainable world. Our technologies enable smarter mobility, more efficient power and energy management, and the wide-scale deployment of the Internet of Things and connectivity. ST is committed to becoming carbon neutral by 2027. Further information can be found at www.st.com.

For Press Information Contact:

STMicroelectronics
Michael Markowitz
Director Technical Media Relations
Tel: +1 781 591 0354
Email: michael.markowitz@st.com