Automotive Secure Element (SE)

NCJ39

Preproduction

This page contains information on a preproduction product. Specifications and information herein are subject to change without notice. For additional information please contact your sales representative.

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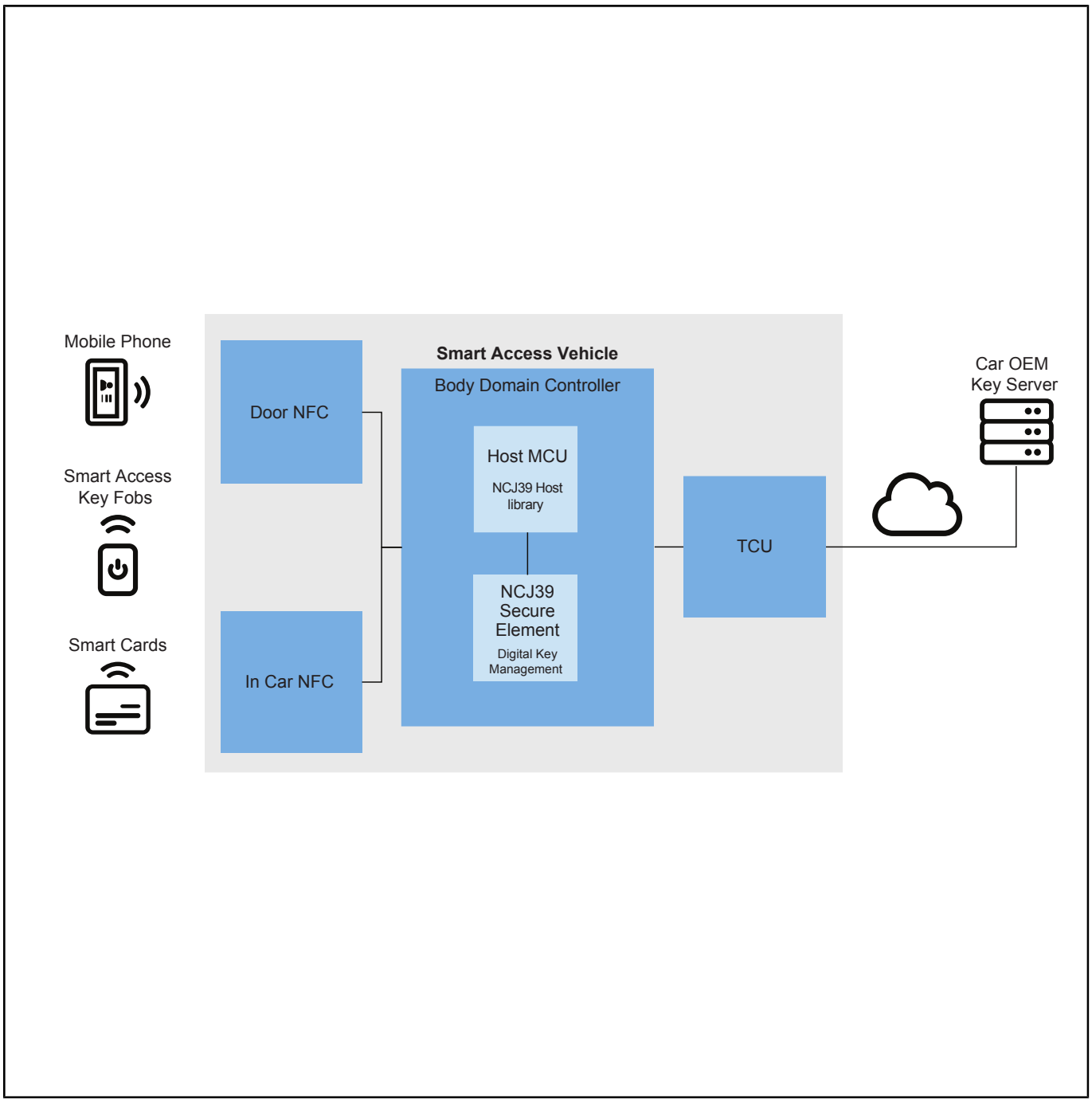
The NCJ39 family is an automotive Secure Element platform with advanced cryptographic accelerators with physical and electrical attack resistance. It supports a broad spectrum of cryptography and security features and is well-suited for highly secure applications, such as smart car access (CCC Digital Key), connectivity or infotainment. For each of these use cases dedicated JavaCard™ applets are available to securely run them on the provided JavaCard Operating Platform (JCOP) OS by NXP. NCJ39 also comes with a dedicated JavaCard applet development toolchain to support customer proprietary applet developments.

NCJ39 complies with AEC-Q100 qualification requirements and is Common Criteria EAL5+ certified. Combined with NXP's smart car access portfolio—including ultra-wideband (UWB), Bluetooth Low Energy (BLE), and Near-Field Communication (NFC) integrated circuits (ICs)—the NCJ39 is tailored to enable secure car access systems.

NCJ39 Block Diagram



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