LEGIC

SC-4300 for mobile ID and RFID

Secure identification with multi-technology reader chipset

- **Supports RFID standards and mobile ID using BLE and NFC**
- **Comparable commands for mobile ID and RFID**
- **Compatible with LEGIC advant and prime as well as LEGIC Connect**

Empower yourself for ID and IoT solutions

LEGIC's Security Chipset SC-4300 is the latest member of our proven LEGIC 4000 series reader ICs. This innovative, state-of-the-art reader chipset supports various RFID standards as well as BLE and NFC to communicate with smart devices.

Multi-technology reader chipset

Exploit the possibilities of LEGIC Connect and extend your reader´s RFID capability. Together with the central LEGIC Trusted Service and the LEGIC Mobile SDK for managing data on smart devices, the SC-4300 is part of LEGIC's powerful solution suitable for ID and IoT applications.

Mobile ID features and benefits:

- Mobile credentials for Android and iOS
- Large reading distance with BLE
- End-to-end security
- AES 128 Bit encryption
- Key diversification
- Similar LEGIC commands for mobile ID and RFID (with high technology abstraction)

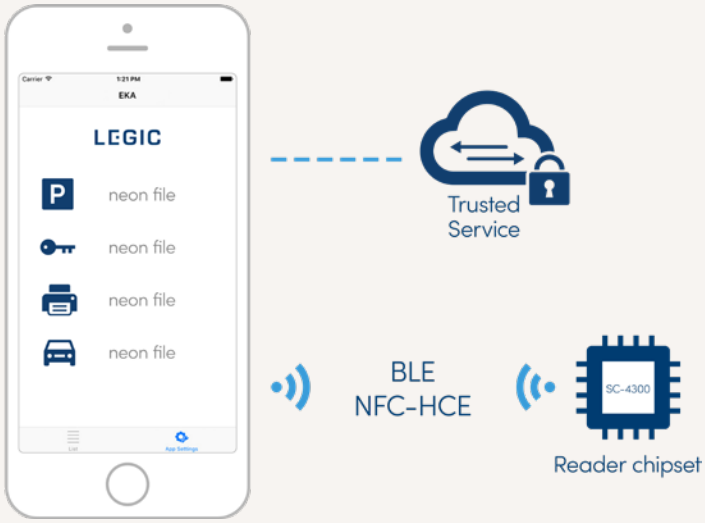
LEGIC technology for smartphone apps

- Over-the-air credential (neon file) deployment via LEGIC Trusted Service
- Multiple neon files for diverse applications possible
- High protection of credential data as keys are only stored in LEGIC Trusted Service and SM-4300 (End-to-end security)
- LEGIC Mobile SDKs for iOS and Android mobile app development

Evaluation Kit EK-4300

The EK-4300 Evaluation Kit helps you to become familiar with LEGICs BLE, NFC and RFID solutions.

- Evaluation of the SC-4300 functionality
- Design example of line-powered reader
- Access to mobile apps (iOS, Android)
- Use of LEGIC prime and advant smartcards
- Access to MIFARE Classic / DESFire smartcards
- Key & authorization management with LEGIC Orbit and Master-Token System-Control



Technical data

SC-4300 (consisting of SM-4300 and BT-4000)	
Bluetooth Smart	▪ V4.2 BLE (Bluetooth Low Energy) ▪ Communication to mobile apps based on LEGIC Mobile SDK or to third-party BLE devices
RFID	▪ ISO 14443 A + B ▪ ISO 15693 ▪ LEGIC RF standard ▪ Inside Secure * ▪ Sony Felica ** ▪ ST SR series
RFID security elements	▪ Master-Token System-Control ▪ Mutual authentication ▪ NXP key diversification ▪ AES 128/256 Bit, 3DES, DES, LEGIC encoding
NFC peer-to-peer	ISO 18092 ***
Energy saving options	▪ Stop mode: typically 3 µA ▪ Watch mode with RFID based wake-up: typically 20 µA
Wake-up	RFID based proximity detection (< 10 cm) of smartcards or smartphones
Access to LEGIC neon file via BLE or NFC-HCE	▪ Mutual authentication ▪ Key diversification ▪ Data encryption with end-to-end security from LEGIC Trusted Service to SM-4300 ▪ Application-specific AES 128 Bit keys, optional use of LEGIC Orbit for key generation and distribution
Host interface	▪ UART with 38,400 or 115,200 baud (RS232 timing) ▪ SPI slave mode 1 or mode 3 ▪ Authentication and encryption (optional)
Firmware download	Yes

* Reads the unique ID (UID/CSN) of Inside Secure based technology, such as HID iClass
** Encoding is not integrated
*** ISO 18092 Passive Peer-to-Peer Mode - Initiator, NFC Tags 2, 3, 4

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