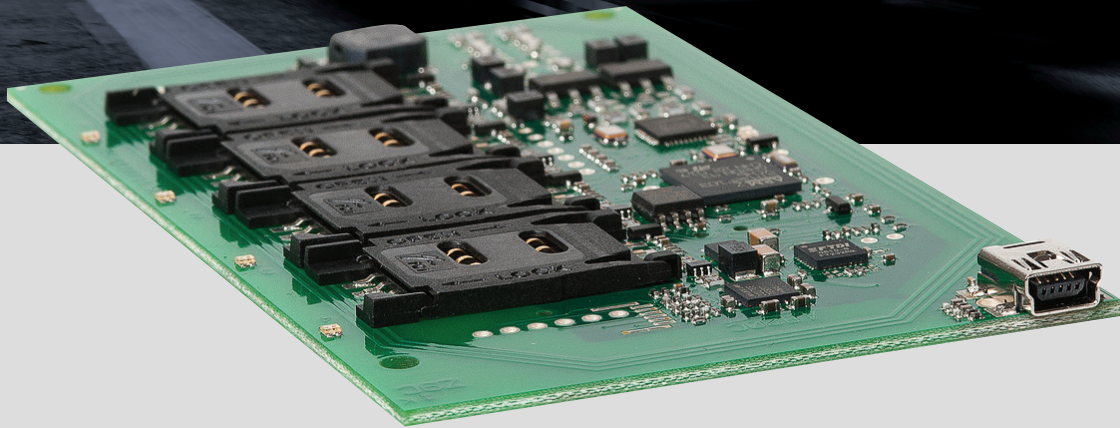


# LECIP



## ARC1300 OEM Smart Card Reader

ARC1300 is a high performance contactless ISO 14443 A/B smart card reader easily integrated into a number of smart card applications. The reader comes with an extensive software support package that is optimized for easy integration, as well as support for the entire MIFARE family.

### Key Features

- Dual standard smart card reader
- Support for a wide range of contactless standards in public transport, including the entire MIFARE family
- Support for NFC mobile applications (limited), smart posters and ticketing
- 4 x tri-colored LED lights for card interaction/payment confirmation
- Audio buzzer
- Easy integration into a number of smart card applications, terminals and kiosks
- USB and RS232 for host communication
- 4 SAM slots for improved smart card security



## APPLICATIONS

- Mobile devices for ticket inspection
- Ticket Vending Machines (TVM)
- Validators
- Fareboxes
- Point of Sale Terminals (POS)
- Driver Consoles
- Turnstile Gates
- Parking Meters
- Vending Machines

## Technical Specifications

|                              |  |
|------------------------------|--|
| <b>SAM Security</b>          | 4 × ISO/IEC 7816 SAM slots up to 1.1 Mbit/s      |
| <b>User Interface</b>        | 4 × Triple colored LEDs (red/green/yellow)       |
| <b>RF Frequency</b>          | 13.56 MHz  |
| <b>RF Standards</b>          | ISO/IEC 14443 A/B, ISO/IEC 18092 (limited)       |
| <b>RF Speed</b>              | 106 kBit/s, 212 kBit/s, 424 kBit/s               |
| <b>RF Reading Distance</b>   | Up to 100mm                                      |
| <b>RF Antenna</b>            | Integrated, external antenna possible            |
| <b>Processor</b>             | ARM 72 MHz                                       |
| <b>Firmware Upgrade</b>      | Yes  |
| <b>Dimensions</b>            | 110mm × 67mm                                     |
| <b>Weight</b>                | Approx. 40g                                      |
| <b>Current Consumption</b>   | 280mA (operational), 70mA (RF off), 2mA (sleep)  |
| <b>Host Communication</b>    | USB or RS232 (communication speed up to 1Mbit/s) |
| <b>Rf Amplifier</b>          | Yes, field upgradeable                           |
| <b>Operating Temperature</b> | -20°C to +70°C                                   |
| <b>Host Interface</b>        | USB: Mini Horizontal, RS232: Screw Terminal      |
| <b>Storage Temperature</b>   | -20°C to +70°C                                   |
| <b>Power Supply</b>          | 5V ± 5%  |

Supported Smart Cards:  
ISO 14443A, ISO 14443B, MIFARE Classic, MIFARE Ultralight, MIFARE Ultralight C, MIFARE DESFire, MIFARE Plus, SmartMX, GTML, GTML2, Felica, Calypso

Supported SAMs:  
ISO/IEC 7816 compliant SAMs such as MIFARE SAM, S9TSAM, CIPURSE SAM, Felica SAM

