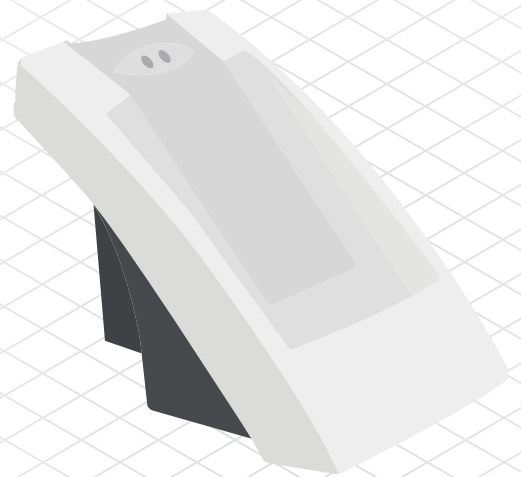


# ARC2300

## USB Desktop Reader

ARC2300 is intended for fast contactless smart card reading and writing in a wide range of smart card applications. ARC2300 is based on the 13.56 MHz contactless technology platform and is designed to meet the latest market requirements in e-ticketing. ARC2300 is fully compatible with the entire MIFARE family, as well as supporting Smart MX, Calypso and NFC<sup>(limited)</sup>.

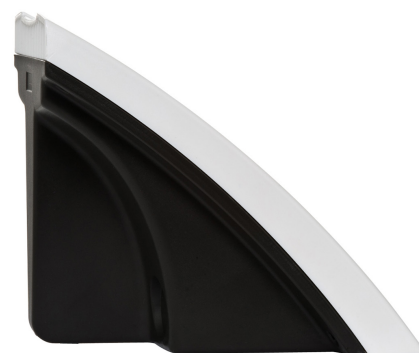


### KEY FEATURES

- Compliant to ISO/IEC 14443 A/B
- Easy integration via USB interface
- The reader can easily be connected to a PC or any host system
- 4 x SAM ISO/IEC 7816 slots for improved smart card security

### APPLICATIONS

- Contactless smart card validation
- Contactless travel card reload
- Contactless smart card authentication



#### Technical Specifications

RF Frequency	13.56 MHz
RF Standards	ISO/IEC 14443 A/B, ISO/IEC 18092 (limited)
RF Speed	106 kBit/s, 212 kBit/s, 424 kBit/s
RF Reading Distance	Up to 100mm
RF Antenna	Integrated
RF Amplifier	Yes
SAM Security	4 × ISO/IEC 7816 SAM slots with up to 1.1 Mbit/s
Processor	ARM 72 MHz
Firmware Upgrade	Yes, field upgradeable
Host Communication	USB
User Interface	2 × Triple colored LEDs (red/green/yellow) Audio buzzer

Dimensions	120 x 114 x 130mm
Weight	Approx. 200g
Operating Temperature	-40° to +85°C
Storage Temperature	-40° to +85°C
Current Consumption	280mA (operational), 70mA (RF off), 2mA (sleep)
Power Supply	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
Optional Features	RS232