



Products for Cashless Ticketing & Payment

ARC2330 Smart Card Reader

Light ticket validator with graphical LCD display

ARC2330 is a compact ISO/IEC 14443 A/B light validator designed for smart card validation, travel card reload and contactless payments. ARC2330 is housed in a plastic case that is easily installed onboard buses, trains and trams, as well as in station platforms and at point of sale sites, operating as a slave device with different e-ticketing and e-payment applications.

Compliant with the entire MIFARE family, Smart MX, FeliCa and Calypso, as well as having support for future EMV contactless and NFC, ARC2330 is the ideal reader for processing different contactless smart cards quickly and efficiently. ARC2330 houses four coloured LED lights, an audio buzzer and a graphical LCD display for easy user interface. ARC2330 is ideal for high frequency contactless applications that require speed and convenience for fast payment transactions and quick passenger throughput.

ARC2330 is cost-efficient solution for systems integrators and solution providers looking for a rugged and reliable device that can easily be integrated in different cashless payment and ticketing applications. ARC2330 is available with USB and RS232 interface.



Key Features

- ISO/IEC 14443 A/B smart card reader
- Support for a wide range of contactless standards in public transport, including the entire MIFARE family
- Support for NFC mobile applications, smart posters and tickets, including both passive reader mode and active peer to peer (P2P) mode
- USB or RS232 for host communication
- Designed for onboard and stationary use
- 4 x SAM ISO 7816 slots for improved smart card security
- Graphical LCD FSTN, black/white, 128x64 display

Applications

- Check-in/check-out validation
- Multi-drop for front and rear entry/exit validation
- Travel card reload
- Turnstile validation
- Farebox validation
- Point of sale
- Station platforms
- Onboard buses, trains and trams



Products for Cashless Ticketing & Payment

Technical Specification

RF Frequency:	13.56 MHz
RF Standards:	ISO/IEC 14443 A/B, ISO/IEC 18092 (NFC)
RF Speed:	106 kBit/s, 212 kBit/s, 424 kBit/s
RF Reading Distance:	Up to 100mm (depending on tag)
RF Antenna:	Integrated
RF Amplifier:	Yes
SAM Security:	4 x ISO/IEC 7816 SAM slots with up to 1.1 Mbit/s
Crypto algorithms:	3DES, AES, RSA, PKI
Hash Algorithms:	SHA1, SHA2, MD5
Processor:	ARM 72 MHz
Firmware Upgrade:	Yes, field upgradeable
Host Communication:	USB or RS232
User interface:	4 x Triple coloured LEDs (red/green/yellow)
Audio Buzzer:	Yes
Display:	Graphical LCD FSTN, black/white, 128x64 pixels
Dimensions:	Pole mounting: H: 160mm, W: 152mm, D: 100mm Wall mounting: H: 160 mm, W: 152mm; D: 50mm
Weight:	Approx. 700 g
Operating Temperature:	-20°C to +85°C
Storage Temperature:	-40°C to +85°C
Flammability:	Fire proof UL94-VO
Environment:	IP65
Power Supply:	5V ± 5%
Current Consumption:	TBD
Compliances:	RoHS, FCC, WEEE, CE for bus, tram and rail
Supported Tag-ICs:	MIFARE 1k, MIFARE 4k, MIFARE Plus, MIFARE UltraLight, MIFARE UltraLight C, MIFARE DESFire, MIFARE DESFire EV1, MIFARE SmartMX, GTML, GML2, ISO 14443A tags, ISO 14443B tags, FeliCa RC-S860, FeliCa RC-S885, FeliCa RC-S965, Calypso, VDV
Supported SAMs:	MIFARE SAM (DESFire), MIFARE SAM AV1, MIFARE SAM AV2, S9TSAM, Calypso SAM, FeliCa SAM and other ISO/IEC 7816 compliant SAMs

