Products for Cashless Ticketing & Payment

ARC3300^{T5} Validator

Contactless ticketing terminal for validation and reload

ARC3300^{T5} is a high performance contactless validator that offers fast and reliable ticket and payment validation, as well as travel card reload across public transport. ARC3300^{T5} has a rugged and innovative design that is easily installed onboard buses and at stations.

Designed with a fully integrated ISO/IEC 14443 A/B contactless smart card reader, ARC3300^{T5} supports a wide range of contactless standards within ticketing and payment, including the entire MIFARE family, as well as support for future EMV contactless. For enhanced passenger convenience, ARC3300^{T5} comes with a 5.7" TFT touch colour display, audio buzzer, 4 buttons and 4 coloured LED lights, as well as an extensive software support package for easy and seamless integration with different e-ticketing and e-payment applications.

With a powerful CPU, a series of high speed communication options and advanced functionality, the ARC3300^{T5} validator is a reliable and cost-efficient solution for any modern cashless ticketing or payment system.

Key Features

- Open architecture with Linux OS
- QT 4.7 Application Framework
- High-end 400Mhz ARM9 CPU
- Vehicle and railway certified
- 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 future EMV contactless
- Multiple communication interfaces

Enhanced Passenger Interface

- 5.7" TFT touch colour display for optimum viewing and easy menu navigation
- 4 x triple coloured LED lights
- Audio buzzer
- 4 x buttons, with option for braille

Functions

- Contactless smart card validation
- Contactless travel card reload
- Contactless payments

Applications

- Onboard buses, trains and trams
- Station platforms
- Inside access gates
- Point of sale sites

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Technical Specification

Software Platform:	Busybox 1.17.3 with Linux Kernel 2.6.28 QT 4.7 Application Framework Python 2.6.2 Arcontia Terminal Support Package
System:	ARM9 Freescale 400 MHz Up to 256 MB DDR2 RAM Up to 1024 MB NAND Flash Real Time Clock with Backup Battery
User Interface:	5.7” VGA LCD 640 x 480 Capacitive Touch 12 Field Onboard Buzzer Onboard Audio Speaker[1] 4 x Push Buttons 4 x Triple Colour Indicator LEDs
Contactless:	ISO/IEC 14443 A/B RFID reader + RF Amplifier 4 x ISO/IEC 7816 SAM Slots
Connectivity:	1 x Ethernet 10/100 1 x RS232, 1 x RS232[1] 1 x RS485[1] 1 x ONEWIRE Cradle ID Interface 1 x GPRS/UMTS/CDMA Modem Interface[1]
Peripherals:	MicroSD Card[1]
Control:	Ignition Signal Input[1] Up to 4 x Isolated Bipolar Inputs[1] Up to 4 x Isolated Bipolar Outputs[1] Up to 2 x Auxiliary 5V Power Supply[1]
Power Supply:	9 VDC - 36 VDC (automotive specified) 1 x Li-Ion Backup Battery, more than 1h full operation[1]
Power Consumption:	5W (full operation with LCD and reader)
Storage Temperature:	-30°C to +70°C
OperatingTemperature:	-20°C to +70°C
Humidity:	5% to 95% (non condensing)
Dimensions:	280mm (L) x 188mm (W) x 135mm (H)
Weight:	2.5 kg
Vandal Protection:	IK07 according to IEC 62262
Compliances:	RoHS, 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, ISO 14443A tags, ISO 14443B tags, FeliCa RC-S860, FeliCa RC-S885, Calypso, VDV
Supported SAMs:	MIFARE SAM (DESFire), MIFARE SAM AV1, MIFARE SAM AV2, S9TSAM, Calypso SAM

Note 1: Optional features

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