Skayo

14.23   RATB

R + i

Poziționați aici cardul dvs.

SKAYO
On Board Automated Fare Collection Validator

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SKAYO - ON BOARD AUTOMATED FARE COLLECTION VALIDATOR

This smart ticketing equipment, endowed with touch-screen, allows automatic payment, validation and control of the fare products, using:

- Paper ticket
- Contactless card
- Contactless bank smartcards
- Smartphone with NFC (Near Field Communication)

FARE POLICIES

- Flat price: unique price for a single journey on the same line
- Zone price: a price specific for a single zone
- Distance based price: specific cost for each route segment
- Unique price for time frame: single price for a predefined time frame (period of time)

FARE PRODUCTS

- Seasons/pass
- Trips
- E-purse/e-wallet

CAPABILITIES

- Automatic fare collection through a priority scheme
- Check the existing fare products from your transport card
- Control of transport fare products
- Tariff integration for transport operators
- Communication with central system through GPRS or WiFi
- Internet recharge
- GPS Location
  Stand-alone operation or integrated with an onboard computer
- Remote software update
- Easy to install and protected against unauthorized access (no screws available)

BENEFITS

- Increased income by:

  - Flexible and wide tariff policy
  - Fraud reduction by securing fare products
  - Easy management of subsidies
  - Monitor passenger flows

- Automatic selection of the most advantageous fare
- Fast validations
- Increased mobility by using integrated fare products
- Small and rounded (not bother the travellers during the trip when it is crowded)
- User friendly color touch screen

TECHNICAL SPECIFICATIONS

POWER SUPPLY

Nominal voltage:	12/24Vdc
Operating voltage:	9 - 36Vdc
Supply current:	max. 0.9A / 9Vcc

CPU MODULE

CPU: 400MHz ARM Processor, 32 bits
Real Time Clock (battery back-up)
Power enable, wake up and shutdown pins
Operating System: Android

MEMORY

128MiB DDR2 SDRAM (battery back-up)
256MiB NAND flash
Electronic Serial Number 48 bits
4k x 8bits EEPROM

PERIPHERALS

Display color	LCD TFT 5.7'' QVGA (320x240)
	LCD TFT 7'' (800x600) - option
Thermo sensor	-55°C / +125°C
Touchscreen	
GPS and GSM integrated module	
1-Wire interface	

TEMPERATURE

Operating temperature	-20/+60°C
Storage temperature	-40/+85°C

COMMUNICATION INTERFACES

Wi-Fi	IEEE 802.11 b/g
Ethernet	10/100Mbps
CAN	standard CAN 2.0
USB	1 x USB 2.0 / 1.1 host
GSM/GPRS	GSM 900/1800 class 10 (option)
GPS Receiver	
RS232/RS485/RS422	

INPUT/OUTPUTS

Inputs	2 x general purpose, 1 x start/stop engine
Outputs	1 x NC/NO relay output
Digital I/O	2 x configurable digital I/O, ground referenced
LED outputs	4 x general purpose LED outputs

CONTACTLESS CARD READER

ISO 14443-A/B and / or ISO 15693 cards/tags supported
Alternative feature: SAM slots or GSM/GPS module
4 x SAM slots

AUDIO

Output	1x1.5W internal speaker

THERMAL PRINTER

Maximum paper width	20/30 mm
Resolution	8dots/mm

HOUSING

Protection grade:	IP54 contactless only / IP31 dual
Validator weight:	1,67 kg
Socket weight:	1,43 kg
Electronic lock mechanism	