

## Contactless Ticket Validator

**FLOWNEX - CTV01**

Flownex-CTV01 Flownex CTV01, a ticket validator platform that's application agnostic and allows contactless card acceptance, transaction processing while ensuring full security. This EMV card reader supports contactless payments for any EMV banking card, printed or mobile 2D (QR) codes, NFC and other global payment standards to closed loop cards.

Tailored to modern passenger needs, Flownex-CTV01 features a 4.3 inch color display, attractive user interface, bright indication LED light bars and optical QR scanner to ensure instant transactions as well as enhance rider's experience.



## Features

- Contactless Payment
- Support for Open loop / Close loop systems
- Powerful optical QR code imager
- LTE – 4g connectivity
- Fast ethernet connectivity
- LED Indicators
- Multipurpose IOs
- 4.3 inch display screen
- Two version (onboard & stationary)
- Support for NFC and EMV compliant contactless bank cards
- Elegant, Robust and high-quality validator suitable for vehicle environment

## Specification

<b>CPU</b>	Arm® Cortex®-A7 CPU @528MHz
<b>Display</b>	4.3 inch display screen
<b>External Communication</b>	Debug UART,Data UART,CAN,USB 2.0 Host,USB 2.0 Device,I2C
<b>Ethernet</b>	1 x 10/100Mbps LAN
<b>Audio</b>	Buzzer
<b>Contactless interface</b>	Built-in Antenna,ISO/IEC 14443-A,B,NFC,EMVCo contactless mode L1 & L2,Sony Felica
<b>QR</b>	Powerful optical QR code imager
<b>RTC</b>	Built in Real Time clock-battery backed
<b>Security</b>	<ul style="list-style-type: none"> <li>• Secure boot</li> <li>• Advanced physical tamper security</li> <li>• Advanced public key hardware with support for RSA and ECC</li> <li>• PCI PTS DES/AES side channel attack compliance evaluation</li> </ul>
<b>SAM interface</b>	1 x on board ISO7816 + 4 optional slot on mPCIe
<b>Operating system</b>	Linux
<b>LED Indicators</b>	4 LED indicators
<b>Power Supply</b>	5VDC
<b>Operating Temperature</b>	-40°C~85°C

## Mechanical

IP65

## Compliance

EMVCo 3.0, PCI 6.0 Certified CE, ROHS



Flownex is a division of Trunexa that focuses on developing next-generation smart devices for mobility industry. We develop future-oriented computing and communication systems for the mobile environment such as local and long-distance transport like rail and road vehicles.

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