

# Contactless Ticket Validator

**FLOWNEX - CTV01**



## Features



**Contactless  
Payment**



**Support for Open-Loop/  
Closed-Loop Systems**



**Powerful Optical QR  
Code Imager**



**LTE - 4G  
Connectivity**



**Two Versions: Onboard  
and Stationary**

Flownex-CTV01 validator is designed to provide a fully contactless EMV solution. It has a built-in 1D/2D Barcode Scanner which makes it a suitable device for any Automatic Fare Collection and/or Scanner which makes it suitable for any Automatic Fare Collection Systems.




**Specification**

<b>CPU</b>	NXP i.MX8M Mini : Arm® 4 x Cortex®-A53 CPU @1.5GHz (Upgradable to NXP iMX8M Plus for AI data processing)
<b>Display</b>	7' inch wide color display screen with capacitive touch
<b>External Communication</b>	UART, USB 2.0, RS485(optional),CAN(optional) WiFi 6.0 IEEE 802.11ax/ac/a/b/g/n, BT 5.0, 4G LTE Support(optional 5G) With Dual SIM support, GPS, Glonass, Galileo, QzSS supported
<b>Ethernet</b>	1 x 10/100/1000 Mbps LAN 1 x 10/100 Mbps (optional)
<b>Camera</b>	8 megapixel (optional)
<b>Audio</b>	High quality Speaker Buzzer (optional)
<b>Card type support</b>	ISO/IEC 14443-A/B, ISO 18092 (NFC), Sony FeliCa, CiPURSE, MiFARE, DESFire, ISO 15693
<b>EMV Compliance</b>	L1 V3.0a & L2 certified(Master, Visa, Discover American Express, Rupay)
<b>QR code Scanner</b>	Powerful optical 2D - QR code image scanner module
<b>RTC</b>	Built-in Real-Time clock-battery backed
<b>Memory</b>	RAM : 1 - 4 GB, eMMC (in built ) : 4 GB – 32 GB upto 64 GB SDCard Support
<b>Security</b>	RAM Support : 1 - 4 GB eMMC (in built ) : 4 GB – 32 GB 64 GB SDCard Support
<b>SAM interface</b>	4 x on board 4 x optional slots on reader
<b>Operating system</b>	Linux 5.4.142, Android 11.0
<b>LED Indicators</b>	4 LED indicators
<b>Power Supply</b>	9 – 36 Vdc
<b>Operating Temperature</b>	-20°C - 70°C
<b>Mounting Option</b>	Poll mount and wall mount support for onboard and stationary application
<b>Dimensions</b>	123mm x 329mm x 38mm (W x H x B) Weight ~1.2 kg excluding mounting accessories


**Mechanical**  
IP54, IK08


**Compliance**  
CE, ROHS, REACH, ITxPT