





# Contactless Ticket Validator

FLOWNEX ECONO

## Features

-  Support for Open-Loop/  
Closed-Loop Payment System
-  Contactless Payment
-  Compact in Size
-  EMV L1 and L2 Certified



Flownex ECONO is a compact validator designed to revolutionize public transit payments. This innovative device supports both Open-Loop and Closed-Loop systems, ensuring secure and efficient transactions on the move. Fully certified with EMV L1 and L2 standards, the Flownex ECONO guarantees top-notch security for all contactless payments.

Featuring a 2.1 inch colour TFT LCD Display, 2 GB RAM (extendable up to 8 GB), and operating on Android, it combines cutting-edge technology with user-friendly functionality. Experience the future of public transit payments with the Flownex ECONO.

<b>CPU</b>	Quad Core ARM Cortex-A55 @1.8GHz
<b>Display</b>	2.1 inch Coloured TFT LCD Display
<b>RAM</b>	2GB (extendable up to 8GB)
<b>Storage</b>	8GB eMMC (extendable up to 128GB)
<b>Operating System</b>	Android 11
<b>Connectivity</b>	WiFi: 802.11b/g/n , Bluetooth 4.2
<b>Cellular Network</b>	4G-LTE
<b>GNSS</b>	GPS, GLONASS, BeiDou
<b>QR Code Scanner</b>	<ul style="list-style-type: none"><li>• 1D/2D, QR scan engine 1D (EAN13, EAN8, UPCA, UPCE0, UPCE1, Code 128, Code 39, Code 93, CodeBar, Interleaved 2 of 5)</li><li>• 2D (QR code, Data Matrix, PDF417)</li></ul>
<b>Card Type Support</b>	<ul style="list-style-type: none"><li>• ISO/IEC 14443-A/B, Sony FeliCa, CiPURSE, MiFARE, DESFire, ISO 15693 (NCCM in Process)</li><li>• L1, L2 (Master, Visa, Discover D-Pas, American Express, Rupay, Amex)</li></ul>
<b>SAM</b>	8 x ISO 7816
<b>External Communication</b>	1 x RS232 , 1 x RS485, 2 x USB 2.0
<b>Audio</b>	High-quality Speaker/Buzzer (optional)
<b>Power</b>	9~40 Vdc, Reverse polarity, and over-voltage protection
<b>Operating Temperature</b>	-20°C to 70°C
<b>Battery Backup</b>	Rechargeable Li-Po Battery 3.7V, 1000mAh

 **Mechanical**  
IP54 **Compliance**  
ROHS, CE, REACH