

## MV3000

The MV3000 ticket validator is designed specifically for the use in Automatic Fare Collection (AFC) systems for public transport, e.g. buses, ferries, trams, railway, and other transportation means.

The MV3000 supports all major smart cards compliant to ISO 14443 Type A and B standards, Felica, and Vicinity (13.56MHz).

The powerful i.MX6UL (ARM Cortex A9) microprocessor ensures a high-speed transaction processing.

The MV3000 is equipped with the EMV3000 contactless card reader, which is EMV L1 compliant, EMV L2 compliant for Mastercard, Visa, and American Express, and PCI PTS POI 5.1 compliant.

An optional integrated GPS receiver enables fleet management, vehicle location, and flexible fare calculation.

2/4 SAM card slots for holding payment SAM cards ensure the security and integrity of the transactions.

For user ergonomics, the MV3000 is equipped with a 640x480 high-resolution VGA 5.7" graphic TFT display.



### MV3000 Key features

- Cortex A9 CPU (i.MX6 by NXP)
- Support for Linux and Android operating systems
- Up to 4 SAM card slots
- I2S Audio codec
- 5.7" 640x480 graphic TFT display
- EMV3000 contactless card reader
- Compact dimensions to ease installation

### MV3000 Options

- Barcode reader
- GPS module
- 3G/4G modem
- Bluetooth
- WIFI



# Specifications MV3000

## Mechanical

Dimensions	Millimetres	Inches
Enclosure:	309,74 H x 160,64 W x 82,90 D	12.19 H x 6.32 W x 3.26 D
Enclosure + mounting kit:	309,74 H x 160,64 W x 109,90 D	12.19 H x 6.32 W x 4.33 D
Weight	Grams	Lbs
Enclosure:	1830	4.03
Mounting kit:	600	1.32

## Environmental

Temperature	Celsius	Fahrenheit
Operating temperature:	-20 °C to +70 °C	-4 °F to +158 °F
Storage temperature:	-30 °C to +80 °C	-22 °F to +176 °F
Humidity		
Operating humidity:	< 75% RH	
Storage humidity:	< 93% RH	

## Electronic

Intelligence:	NXP i.MX6 Solo Single ARM Cortex A9 CPU
Memory:	1GB DDR3 memory 4GB-32GB eMMC 2MB SPI NOR flash
Storage:	Optional eUSB flash drive
Interface types:	2 Serial interfaces (RS232 or RS485) 1 USB OTG 1 Ethernet 10/100 Mbit
Display:	5.7" Colour graphic TFT display 640x480 pixels Light sensor for automatic backlight
Keyboard:	Optional multitouch capacitive touchscreen
Audio:	On-board I2S codec with internal speaker
Card reader:	EMV3000 contactless smart card reader, EMV L1 compliant, EMV L2 compliant for Mastercard, Visa, and American Express, and PCI PTS POI 5.1 compliant Optional barcode reader
Security:	Up to 4 SAM card slots
Communications:	Optional 3G/4G modem (mini PCIe card via USB) Optional WIFI (mini PCIe card) Optional Bluetooth (mini PCIe card)
Location services:	Optional GPS modem
Power supply:	Switched mode power supply Wide input voltage (9-36V)