

## 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 (13.56 MHz).

The powerful microprocessor ensures a high-speed transaction processing.

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

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

Two up to four on-board SAM card slots and one reader SAM card slot for holding payment SAM cards ensure the security and integrity of the transactions.

For user ergonomics, the MV3000 is equipped with a high-resolution graphic TFT display.



### Key features

- Support for Linux operating system
- Up to 4 on-board SAM card slots and 1 reader SAM card slot
- I2S Audio codec
- 5.7" 480x640 graphic TFT display
- EMV3000 contactless card reader
- Compact dimensions to ease installation

### Options

- 7" 480x800 graphic TFT display
- Barcode reader
- GPS modem
- 4G/LTE 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:	Dual core ARM Cortex A9 CPU
Memory:	Up to 2GB DDR3 memory 4GB-32GB eMMC 2MB SPI NOR flash
Storage:	Option: eUSB flash drive
Interface types:	2 Serial interfaces (RS232 or RS485) 1 USB OTG 1 Ethernet 10/100/1000 Mbit
Display:	5.7" Colour graphic TFT display 480x640 pixels Option: 7" Colour graphic TFT display 480x800 pixels Light sensor for automatic backlight adaptation
Keyboard:	Option: Multitouch capacitive touchscreen
Audio:	On-board I2S codec with internal speaker
Card reader:	EMV3000 contactless smart card reader, EMV L1 certified, EMV L2 certified for Mastercard, Visa, American Express, Discover and Pure, and PCI PTS POI 5.1 certified Option: Other EMV payment kernels (JCB, CUP ...) Option: Barcode reader
Security:	Up to 4 on-board SAM card slots, 1 SAM card slot in EMV3000
Communications:	Options: 4G/LTE modem (mini PCIe card via USB), WIFI (mini PCIe card), Bluetooth (mini PCIe card)
Location services:	Option: GPS modem
Power supply:	Switched mode power supply Wide input voltage (10-36V)