

EMV3000



The EMV3000 is a compact NFC contactless card reader.

The EMV3000 is designed specifically for Automatic Fare Collection (AFC) systems in public transport, but it can be widely used in unattended devices such as vending machines, parking meters, charging stations, toll gates, and more.

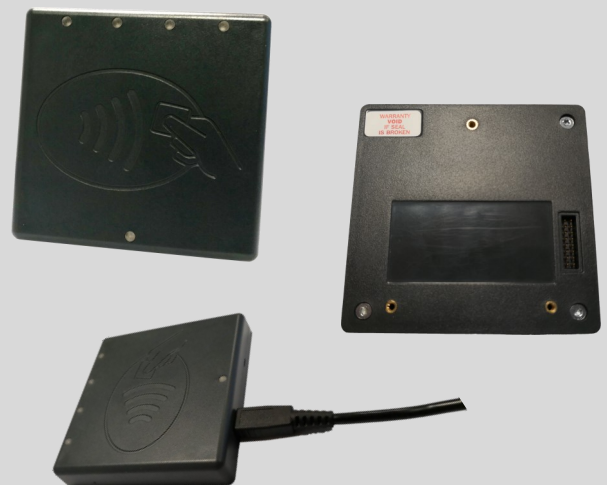
The EMV3000 supports all major smart cards compliant to ISO 14443 Type A and B standards, Felica, and Vicinity (13.56 MHz).

The EMV3000 is EMVCo L1 certified, EMV L2 certified for Mastercard, Visa, American Express, Discover and Pure, PCI PTS POI 5.1 certified, and Mastercard TQM certified.

Other EMV payment kernels (JCB, CUP ...) can be offered.

Key features

- Contactless smart card reader 13.56 MHz NFC
- 1 SAM card slot
- EMVCo Level 1 certified
- Level 2 for Visa, Mastercard, American Express, Discover and Pure
- PCI PTS POI 5.1 certified
- Mastercard TQM certified
- Interface via USB or TTL UART
- Integrated 4 LEDs and 1 buzzer
- Possibility to drive external LEDs and buzzer
- Tamper-proof hardware design
- Compact dimensions to ease installation



Mechanical

Dimensions	Millimetres	Inches
Enclosure:	75.44 H x 77.11 W x 12.40 D	2.97 H x 3.04 W x 0.49 D
Weight	Grams	Lbs
Enclosure:	90	0.20

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:	Microcontroller with dedicated hardware security mechanisms
Interface types:	USB or TTL UART
Indicators:	4 Green LEDs Able to drive 4 external LEDs
Audio:	Internal PWM buzzer Able to drive an external buzzer
Card reader:	Full NFC compliant for contactless communication at 13.56 MHz
Security:	1 SAM card slot Tamper-proof hardware design
Power supply:	5V or USB powered