

CP-R27

DESFire EV1 / MIFARE Classic EV1 Desktop Programmer

Datasheet



Introduction

The CP-R27 is a new contactless smart card and desktop programmer to read/write 13.56 MHz technology, including MIFARE Classic EV1 and MIFARE DESFire EV1. It is compliant with ISO14443A/B.

Using the CP-R27 from Rosslare, installers, and customers can easily program on-site their credentials and prepare the configuration card for configuring their readers.

The CP-R27 is designed as a Plug & Play smart card programmer with a USB port, and is suitable for various smart card applications, such as smart card issuing and programming, personal identification.

Main Features

- Supports ISO/IEC18092 NFC peer-to-peer mode
- Support high-level command of MIFARE DESFire EV1 (DES/3DES, 3k3DES, AES) on hardware
- Supports high speed of ISO14443 up to 424 kbps
- Excellent and compact design

Specifications

Electrical Characteristics	
Power Supply (from USB)	5 VDC (±5%)
Current Consumption	<120 mA
Data Specifications	
Communication Rate	106 -424 kbps High speed transaction
Baud Rate	9600 to 115200 bit/s (default 115200)
Indication	Controllable two-color LED, one buzzer: <ul style="list-style-type: none"> • Red LED for Power state • Green LED for Normal Reading state
Interface	USB (USB supplies power)
Communication Cable	1.5 meter long USB communication cable
Frequency	13.56 MHz; APDU command
Environmental Characteristics	
Operating Temp. Range	0°C to 60°C (32°F to 140°F)
Storage Temp Range	-10°C to 65°C (22°F to 149°F)
Operating Humidity Range	5 to 95% RH (non-condensing)
Standards	
Contactless	ISO14443A 4(part 1-4), MIFARE Classic EV1, MIFARE DESFire EV1, ISO14443B
Physical Characteristics	
Weight	79 g (2.8 oz)
Dimensions (L x W x H)	116 x 67 x 14 mm (4.6 x 2.6 x 0.6 in.)



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