

# DR-6280

## DESFire EV1 / MIFARE Classic EV1 Desktop Reader

### Datasheet



#### Introduction

The DR-6280 is an advanced MIFARE Classic EV1 and MIFARE DESFire EV1 O2S Desktop Reader. It reads the O2S ID Data and CSN and transmits it to access control software, such as Rosslare's AxTraxNG™.

With MIFARE Classic EV1 and MIFARE DESFire EV1 credentials, you have access to the highest levels of cryptographic security with support for 128-bit AES encrypted communications between reader and credential. With O2S preprogrammed readers and credentials, you can have the highest level of secure access control solutions right out of the box.

The DR-6280 lets you use custom secured credentials. These credentials can be configured at the customer site using a reader configuration card.

#### General Description

The DR-6280 has a slim and attractive design and is built for convenience and portability. With its USB computer interface, it is quick and easy to install and runs without any additional power source. Designed to sit safely on any desktop, the DR-6280 is sturdily built, with surface-gripping rubber feet.

#### Main Features

- Contactless Smart Card Reader (13.56 MHz)
- Meets ISO14443 Type A Standard
- Reads O2S ID data from an O2S credential
- Uses NXP SAM AV2 for identity and communication cryptography
- AES 128-bit encryption during the transmission of an ID from a MIFARE DESFire EV1 credential
- Reads CSN of non-O2S MIFARE credentials
- Bi-Colored LED
- Supports USB 2.0 Standard (compatible with USB 1.1), meets the EIA Standard

## Specifications

ELECTRICAL SPECIFICATIONS	
Operating Voltage	5 VDC (USB powered)
Operation Current	Standby: 87 mA, Max: 135 mA
OPERATIONAL SPECIFICATIONS	
Supported Transponders	MIFARE Classic EV1 MIFARE DESFire EV1
Read Card Distance	Up to 50 mm (2.0 in.)
RF Modulation	ASK
Operation Frequency	13.56 MHz
Output Format	O2S - Preprogrammed key Custom - Wiegand 26, 32, 34, 40, 56, 64, 128-bit and customized*
OS Support	Windows 7 32-bit and 64-bit Windows 10 32-bit and 64-bit
ENVIRONMENTAL SPECIFICATIONS	
Operating Environment	Indoor use
Operating Temperature Range	0°C to 63°C (32°F to 145°F)
Storage Temperature Range	-20°C to 63°C (-4°F to 145°F)
Operating Humidity Range	0% to 95% (non-condensing)
MECHANICAL SPECIFICATIONS	
Enclosure Dimensions (H x W x D)	123 x 70 x 16 mm (4.9 x 2.8 x 0.6 in.)
Weight	130 g (4.6 oz.)

\*For custom operation the DR-6280 needs to be program using a configuration card.



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