



Creator CRT-310-NR01 Motorized Card Reader – Data Sheet

The CRT-310-NR01 is a motorized full-insert card reader that can handle all industry-standard Card types. The integrated shutter assembly has been developed to eliminate foreign body intrusion and reduce contamination from dust and dirt.

The Card Capture rear exit design enables cards to be withdrawn and held inside the machine, but still maintains full read functions. Full insert motorised card control provides maximum read and write reliability and prevention of premature card withdrawal during data cycles. Superior construction and drive materials provide proven reliability of over 1,000,000 card insertion cycles. Equipped to read Magnetic Strip (read on insert or withdrawal), RFID and IC Cards of industry standard size 85.5mm x 54mm.

The CRT-310-NR01 Motorized Card Reader forms part of the Creator Card reader product line from Eurocoin, selected for its superior feature set and enhanced protection in challenging operating environments.



Features

- Full insert motorized insertion channel
- Integrated shutter assembly
- Superior environmental protection
- Supports Magnetic Stripe, RFID and IC Cards
- Card retain channel rear eject exit
- Dedicated RS232 interface
- High insert cycle requirements

Technical Specification

**CRT-310-NR01-H1SN MOTORISED
CARD READER DC 12V RS232**

PART NO: 23108060

Power	DC 12V±10% 150mA (Idle) / 1.5Amp (Peak)
Interface	RS232
Dimensions (mm)	With Bezel 162.5 (L) x 96.4 (W) x 48.5 (H)
Weight	Approx. 410g
Reliability Life Time	Magnetic head 6000,000 IC card contact carrier and contact: 300,000 times Min Mechanism: 1,000,000 insertion cycles
Environment	Operation: 0°C~50°C, 0~90% RH (non-condensing) Storage: -25°C~80°C, 0~95% RH (non-condensing , dried before usage) Normal environment: 15~25°C 35°C~60%RH
Card Specification	Width: 53.92~54.18 mm Length: 85.47~85.90 mm Thickness: 0.76mm ± 0.08 mm
IC Card Standard	ISO7816 standard certified, EMV2000 Level1, PBOC3.0 (WITH CERTIFICATE) e.g. (AT24C01, 24C02, 24C256, SLE4447, SLE4428, CPU T=0/T=1)
Magnetic Card Standard	Physical characteristics: ISO7810 and 7811 standard compliant Card dimensions: SO ISO7810ID-1- type card compliant Embossing: ISO7811-1, ISO7811-3 compliant Recording format: ISO7811-2, ISO7811-4, ISO7811-5, ISO7811-6 compliant
RFID Card Standard	ISO14443-3 compliant (TYPE A: e.g. S50,S70,UL etc) ISO14443-4 compliant (TYPE A CPU, TYPE B CPU e.g. Mifare plus, Mifare DesFire etc)