



ACCESS CONTROL

CAFETERIA  
MANAGEMENT

TIME-ATTENDANCE

## COSEC ATOM RD100

RFID Card and Bluetooth based Reader

JOB PROCESSING  
AND COSTING

VEHICLE ACCESS MANAGEMENT



VISITOR MANAGEMENT

CONTRACT WORKERS  
MANAGEMENT

### GENERAL

Credential Support

BLE and Card

RF Option

**ATOM RD100E:** EM Proximity Card**ATOM RD100M:** Mifare Classic, Mifare Plus, Desfire EV1,EV2,EV3, Combo Cards, NFC Tag**ATOM RD100I\*:** HID SEOS, HID iCLASS, HID Prox, Mifare Classic, Mifare Desfire EV1,EV2,EV3, Mifare Plus, Combo cards, EM-Prox

\*Proximity Cards are now supported by ATOM RD100I only.

### COMMUNICATION

Inbuilt Bluetooth

Yes

### INTERFACE

RS-232

Yes (Compatible with COSEC ARGO, COSEC VEGA, COSEC PATH

Wiegand

Yes

RS – 485

Yes (Compatible with ARC DC200P)

### HARDWARE

Dimensions (H X W X D)

101mm X 60 mm X 19mm

Weight

140 gms (0.30 Lbs)

Gorilla Glass

Yes (Gorilla Glass 3)

CPU

Nordic 32 Bit

Tamper Detection

Yes

Buzzer

Yes (12V Magnetic buzzer)

LEDs

Yes (Tri Color)

Ingress Protection (IP)

Yes (IP65)

Vandal Proof (IK)

Yes (IK07)

### ENVIRONMENTAL

Operating Temperature

0°C to +55°C

Humidity

5% to 95 % RH Non-Condensing

### CERTIFICATES

Certificates

CE, FCC, ROHS, BIS

*\*Due to continuous technology upgradations, product specifications are subject to change without notice.*

Note:

1. Only Mifare and Desfire-supported combo cards will work with Mifare variants.
2. Only HID I-class, Mifare & Desfire supported combo cards will work with the I-Class variants.
3. NFC as Tag is only supported in read mode, Mobile/smartphone as NFC tag is not supported
4. Regarding iCLASS variants, the CSN of Mifare and Prox cards can be read.
5. Card Personalisation using COSEC is available for Mifare Classic 1K,4K and for HID iCLASS it is iCLASS 2k2,16k2,16k16.
6. Prox Cards are now supported by ATOM RD100L.

## ABOUT MATRIX

Established in 1991, Matrix is a leader in Security and Telecom solutions for modern organizations. Matrix offers a comprehensive range of solutions for IP Video Surveillance, Access Control, Time-Attendance, and Telecom applications. The solutions are designed to meet the communication and security requirements of large enterprises having offices in multiple locations, SMEs, and SMBs.

As an innovative, technology-driven, and customer-focused organization, Matrix is committed to keeping pace with the revolutions in the Security and Telecom industries. With around 40% of its human resources dedicated to the development of new products, Matrix has launched over 60 cutting-edge products and solutions.

IP Video Surveillance includes solutions like Video Management Systems, Network Video Recorders, and IP Cameras. Likewise, solutions in Access Control and Time-Attendance include Visitor Management Solutions, Elevator Access Control, Panels, Door Controllers, and Readers.

We offer Telecom Solutions such as Unified Communications, IP-PBX, Universal Media Gateways, VoIP and GSM Gateways, and Communication Endpoints. All these solutions are feature-rich, reliable, and conform to international standards.



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