

Product features

The RX2 advanced access control reader is an elegantly designed unit, and is ideal for surface mounting to most plain surface finishes. The RX2 is particularly suitable for upgrading from magnetic stripe card readers, having a footprint which will cover one of the most popular mag' stripe readers on the market - with fixing centres to match, this reader will have little or no cosmetic impact to the wall finish.

This powerfully secure and innovative reader has a beautifully clean aesthetic and sports, as standard, a pulsing RGB LED that can be applied to many applications, e.g., colour access levels, migration status or mood lighting.

The unit is moulded using tough polycarbonate plastic and includes a shadow line backplate, a subtle design mechanism that makes the reader, when fixed, appear to float against the wall.

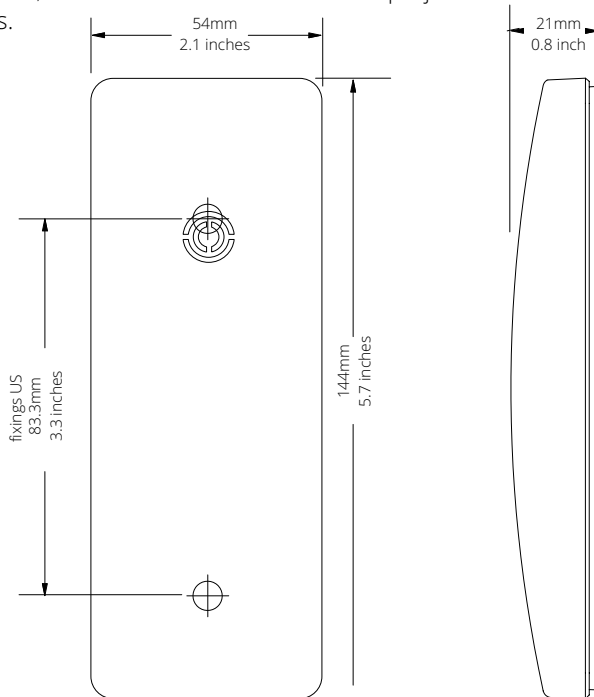
Interfacing

This reader supports a wide variety of output formats allowing it to be used in most access control and related applications, e.g., time-and-attendance, cashless vending etc.

The combination of an integral speaker, RGB LED, three control inputs, and a variety of LED/buzzer/and external control options, provide a flexible platform to give the right user interface configuration for your project.

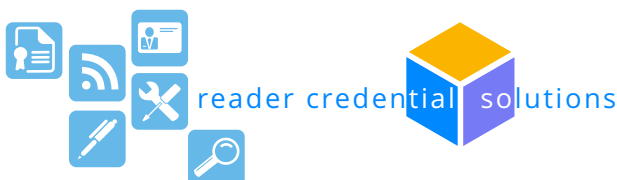
Quality design

Third Millennium has more than 20 years of award-winning experience in the design and manufacture of RFID technology, and the delivery of world class, state-of-the-art access control projects to our many global partners.



CUSTOMER CONFIGURATION

All our readers are fully configurable to your specification and requirements.



Depending on the level of reader design you choose, a variety of control outputs can be applied, including multiple card formats, LED colours and external control options.

technology access control readers credentials

'MIFARE', 'MIFARE Classic' and 'MIFARE DESFire EV2' are trademarks of NXP B.V.

RX2



Key Features

- Multi technology
- UK design and manufacture
- Black high gloss finish
- Slim profile
- RGB LED
- Fully encapsulated electronics
- Wide range of output formats
- Read range up to 10cm (4 inches)
- 5 year limited warranty
- Optical tamper switch (RX290PLUS)
- US electrical backbox fixing

Technologies supported



MIFARE Classic®
MIFARE®DESFire®
CSN or Sector data

Registered Partner



prime / advant

Our 125kHz Proximity readers are capable of supporting:



- EM variants
- HID® Proximity Compatible
- KANTECH Compatible
- FARPOINTE Compatible
- AWID Compatible
- CASI Compatible

... and other widely used 125kHz Proximity technologies.



Specifications



Mechanical

Dimensions:	144 x 54 x 21 mm (3.4 x 3.4 x 0.8 inches)
Housing:	Moulded polycarbonate
Mounting:	Suitable plain surface
Fixing holes:	4mm., maximum diameter + UK / EU electrical backbox

Environmental

Operating Temperature:	-35°C to +66°C
Humidity:	85±5% at 30±2°C (86±3°F)
Ingress protection:	IP65

Our readers are fully configurable to your requirements, and using our - [Reader Credential Solutions](#) we can offer and supply an integrated package of RFID technologies, control readers, RFID cards, fobs and accessories.



Electrical

Voltage:	+10Vdc to +16Vdc
Current:	250mA typical
Data Voltage:	Rest >4Vdc / Active <1Vdc
Data Output:	Wiegand, Clock and Data, *OSDP
Indication:	1 RGB LED
Sounder:	Integral speaker

Connection

* Connection

1 - +Vdc	Supply voltage (+10 - 16Vdc)	1 - 0V	Supply voltage ground
2 - DATA1/CLK	Wiegand or Clock/Data output	2 - +Vdc	Supply voltage (+10 - +16Vdc)
3 - DATA0/DAT	Wiegand or Clock/Data output	3 - DATA1/CLK	Wiegand or Clock/Data output
4 - GREEN	Green LED control input	4 - DATA0/DAT	Wiegand or Clock/Data output
5 - RED	Red LED control input	5 - GREEN	Green LED control input
6 - BUZZER	Buzzer control input	6 - RED	Red LED control input
7 - TMPR/CP	Tamper or Card Present output	7 - BUZZER	Buzzer control input
8 - 0V	Supply Voltage Ground	8 - TMPR/CP	Tamper or Card Present output
9 - TTL TX	TTL transmit line	9 - RS485-	RS485 Bus
10 - TTL RX	TTL receive line	10 - RS485+	RS485 Bus

Certifications

FCC Part 15 | UL294 | CE marked | RoHS | WEEE |

Technology options, output and RFID card solutions (standard configurations)

part No.	frequency	technology	data output	keypad output	optical tamper	RFID card
RX200	125kHz	HID® Prox + EM variants	Data Pass Through (Wiegand / C&D)	N/A	N/A	PC03
RX280	13.56MHz	MIFARE® Sector	Data Pass Through (Wiegand / C&D)	N/A	N/A	PC08
RX280PLUS	13.56MHz+125kHz	MIFARE® Sector + HID® Prox	Both Data Pass Through (Wiegand / C&D)	N/A	N/A	PC38
* RX290	13.56MHz	MIFARE® DESFire®	Data Pass Through (Wiegand / C&D)	N/A	ENABLED	PC09
* RX290PLUS	13.56MHz+125kHz	MIFARE® DESFire® + HID® Prox	Both Data Pass Through (Wiegand / C&D)	N/A	ENABLED	PC39
* RX290/OSDP	13.56MHz	MIFARE® DESFire®	Data Pass Through	N/A	ENABLED	PC09
* RX290PLUS/OSDP	13.56MHz+125kHz	MIFARE® DESFire® + HID® Prox	Both Data Pass Through	N/A	ENABLED	PC39

- PLEASE CALL to discuss your CUSTOM CONFIGURATION or LEGIC® reader requirements.

The RX SERIES of access control readers



RX1 **RX1K** **RX2** **RX3** **RX3K** **RX4** **RX6** **RXSK** **RXU** **RXswitch** **OC1**

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