

Product features

The RX6 advanced access fingerprint control reader is an elegantly designed unit, delivering the latest 'Multispectral' imaging technology, and is ideal for surface mounting to most plain surface finishes. The unit will also fix directly onto a US electrical backbox.

'template-on-a-card' - This powerfully secure and innovative reader will allow you to record, encrypt and digitally embed your fingerprint direct to your RFID access card. The RX6 does **not** need a central core database of fingerprint records, and may operate as a stand-alone unit (subject to control panel access authorisation).

Fingerprint enrolment for a 'user' requires a system 'administrator' authorisation procedure.

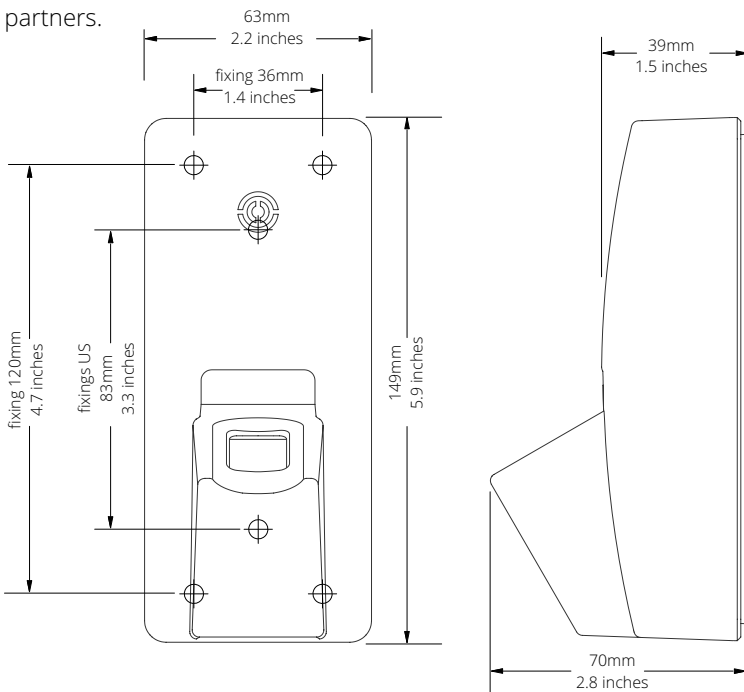
Interfacing

Supported output formats allows this reader 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.

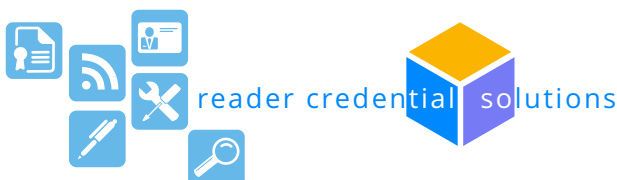
Quality design

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.

RX6



Key Features

- UK design and manufacture
- Black high gloss finish
- Elegant design
- RGB LED
- Multispectral imaging BIO sensor
- 'template-on-a-card'
- Read range up to 10cm (4 inches)
- 1 year limited warranty

Technologies supported



MIFARE Classic®
MIFARE®DESFire®
CSN or Sector data

Registered Partner



prime / advant



Specifications



Mechanical

Dimensions:	149 x 63 x 70 mm (5.9 x 2.2 x 2.8 inches)
Housing:	Moulded polycarbonate
Mounting:	Suitable plain surface
Fixing holes:	4mm., maximum diameter + US electrical backbox

Environmental

Operating Temperature:	-20°C to +60°C
Humidity:	85±5% at 30±2°C (86±3°F)
Ingress protection:	Suitable for INDOOR use only

Electrical

Voltage:	+10Vdc to +16Vdc
Current:	450mA typical
Data Voltage:	Rest >4Vdc / Active <1Vdc
Data Output:	Wiegand, Clock and Data
Indication:	1 RGB LED + BIO sensor
Sounder:	Integral speaker

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.



Connection

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

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
RX660	13.56MHz	Third Millennium LEGIC®	Data Pass Through (Wiegand / C&D)	N/A	N/A	PC06
RX690	13.56MHz	Third Millennium MIFARE®/DESFire®	Data Pass Through (Wiegand / C&D)	N/A	N/A	PC09

● **IMPORTANT** - PLEASE CALL to discuss your CUSTOM CONFIGURATION or LEGIC® reader requirements. We configure our readers to your specific needs.



The RX SERIES of access control readers



Third Millennium Systems Ltd.
18 / 19 Torfaen Business Centre
Panteg Way New Inn
PONTYPOOL NP4 0LS United Kingdom