



**third millennium**  
advanced access control readers

elite

# RX3

## Product Features

The Elite series **RX3K80PLUS** advanced access control reader features an integral keypad and is designed for surface mounting to most plain wall finishes, and also fits onto a US, UK or EU electrical backbox.

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

The unit is moulded using tough polycarbonate/ABS plastic and includes a shadow line backplate, a subtle design feature that makes the reader appear to float on the wall.

advanced access control reader

## reader technology

MIFARE® Classic + **TM125**

Prox Compatible

- UK design and manufacture
- High gloss finish in BLACK or WHITE
- Slim profile
- RGB LED
- Fully encapsulated electronics
- Wide range of output formats available
- RGB illuminated keypad
- 5 year limited warranty
- Read range up to 10cm (4 inches)

## Interfacing

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

## Quality Design

Third Millennium has nearly 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 with our many global partners.



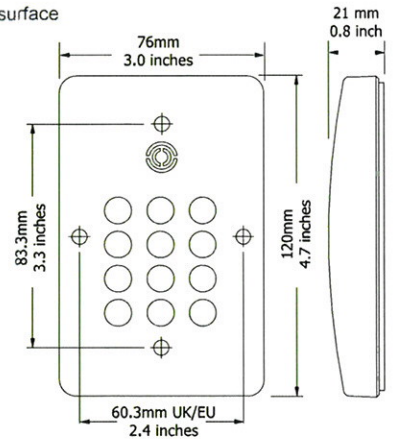
## Specification

### Mechanical

Dimensions: 120mm x 76mm x 21mm (4.2 x 3.0 x 0.8 inches)

Housing: Moulded polycarbonate/ABS

Mounting: Wall surface



### Connection (screw terminal)

- |                 |                                  |
|-----------------|----------------------------------|
| 1 - +Vdc        | Supply voltage (+5Vdc to +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                 |

### Environmental

- Operating Temperature: -20°C to +60°C  
 Humidity: 0 - 100% RHNC  
 Ingress Protection: IP65

### Electrical

- Voltage: +5Vdc to +16Vdc  
 Current: 350mA typical  
 Data Voltage: Rest >4Vdc / Active <1Vdc  
 Data Output: Wiegand, Clock & Data, Custom Outputs  
 Indication: 1 RGB LED + (RGB illuminated keypad)  
 Sounder: Integral speaker

CE FC UTJ-RX80PLUS

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

clean, simple design

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