



© Third Millennium Systems Ltd. ALL RIGHTS RESERVED

This document, including all information contained therein, is owned by THIRD MILLENNIUM SYSTEMS LTD and must be kept in confidence and used solely for the specified purposes of the owner.

This document may not be copied, reproduced or disclosed in whole or in part without the prior written consent of the owner.

Copyrights © and Registered Trade Marks ® / ™ issued to third parties are acknowledged.

PLEASE REPORT ERRORS or OMISSIONS to THIRD MILLENNIUM

version	comment	date	drawn by
A	submission for approval	30/03/15	mpn

TITLE SUPPORTING DOCUMENTATION for FC approval	SHEET TITLE RX480PLUS RFID advanced access control reader photographic representation	scale(s) drawing No. sheet
--	---	----------------------------------

third millennium systems

18/19 Torfaen Business Centre
Panteg Way
New Inn PONTYPOOL NP4 0LS
United Kingdom

tel: +44 (0) 1495 751 992
fax: +44 (0) 1495 757 448

www.tm-readers.com



Product Features

The **RX480PLUS** advanced access control reader features a sleek mullion style design and is ideal for surface mounting directly to most plain wall finishes.

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.

reader technology

MIFARE® Classic + 
 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
- 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.



advanced access control reader

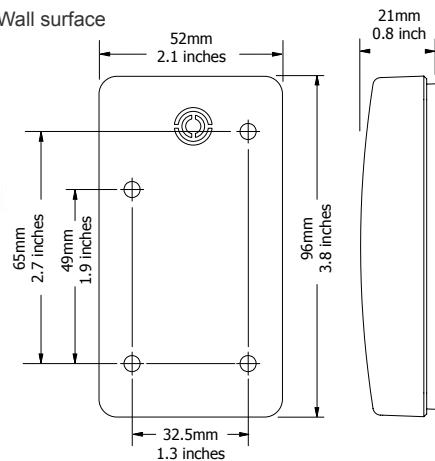
Specification

Mechanical

Dimensions: 96mm x 52mm x 21mm (3.8 x 2.1 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: 250mA typical

Data Voltage: Rest >4Vdc / Active <1Vdc

Data Output: Wiegand, Clock & Data, Custom Outputs

Indication: 1 RGB LED

Sounder: Integral speaker



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

MIFARE, MIFARE Classic and MIFARE DESFire EV1 are trademarks of NXP B.V.

© Third Millennium Systems Ltd
 registered in England & Wales No. 3199053

100-02319-RX480PLUS(A)

 www.tm-readers.com

 +44 (0) 1495 751 992

 info@tm-readers.com

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