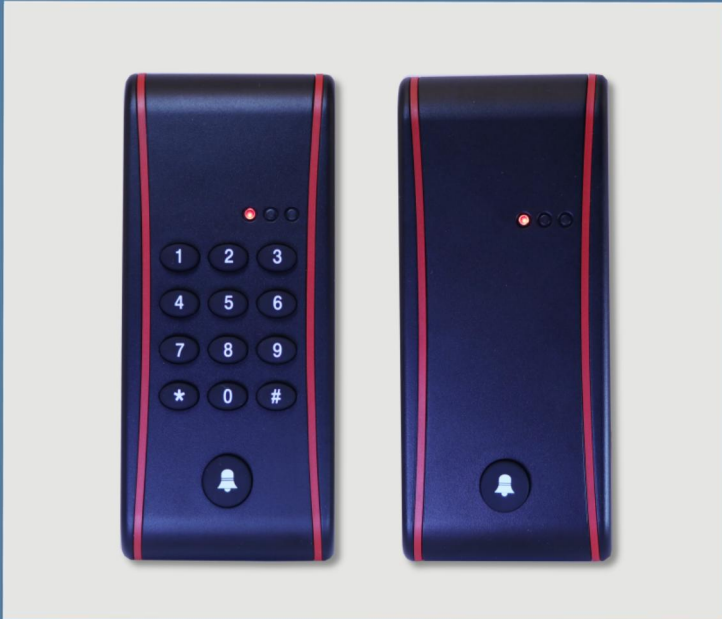# Dual Frequency Access Door Reader

ISO14443A Mifare, EM125KHz compatible cards

- Multi RF card ISO14443A Mifare; EM125kHz EM410X or compatible
- **NXP** Original RF Chip with 128bit encryption
- Wall mount keypad form factors allow for US and EU compatible mounting options; creating a simpler install process at each door
- Tamper detection senses any type of altering and prevents a security breach with the device
- Total Flexibility – easily integrate with other systems or any third control system
- IP65 waterproof for indoor and outdoor harsh environment use
- Authorized certifications as CE, Rohs, CCC, FCC
- Firmware online upgrade
- OEM/ODM service
- One year-warranty

Applications

- Access Control
- Club / Loyalty System
- Parking system
- Printer Secure System
- E-payment, E-ticket

XID®

R280 is an economical access door reader with full-featured and fashion design for access control solution. Its efficient signalization system makes sure that the reader is easily seen. It is a dual frequency reader to support RF card as ISO14443A Mifare, EM125KHz, EM410X meeting different customer's requirement. What's more, original compact design provide ease of installation in various indoor and outdoor access applications.

Power adapter for access control system

Electric bolt lock or magnetic lock

PC

XID

C300 Controller or any third party controller

Exit button or R280/R300 External access door reader for APB

Specifications

CREDENTIAL TYPES
ISO14443A Mifare Read/Write, EM125kHzTechnology, EM410X or compatible

GENERAL INFO
R280E(EM125KHz), R280M(ISO14443A Mifare), R280EM(EM125KHz+ISO14443A Mifare)
5.2" x 2.4" x 0.9"(132mm x 62mm x 23mm)
Terminal Strip Installation
Card, PIN, Card+PIN Working Mode

POWER SUPPLY
9-24V DC

READING PERFORMANCE(Depending on antenna)
ISO14443A Mifare: >5CM
EM125KHz Card: >8CM

COMMUNICATION INTERFACES
RS232/RS485, Weigand26,34,40,42,50,56

ENVIRONMENTAL
IP65 Waterproof for indoor &outdoor
Operating Temperate   -32° to 131° F (0° to 55° C)
Storage Temperate   -4° to 140° F (-20° to 60° C)
Operating Humidity 5% to 95% relative humidity non-condensing
FCC Certification (US), CE (EU)

VISUAL INDICATOR
4x3 keypads with backlight, Doorbell
Buzzer and multi-color LED

SECURITY FEATURES
Tamper Detection

R280 series Order Guide		
R280E-X	R280M-X	R280EM-X
R280E-X-K	R280M-X-K	R280EM-X-K

E: EM125kHz Technology, EM410X or compatible

M: ISO14443A Mifare Read/Write

K: With Keypad

X: X=2--> RS232   X=4---> RS485

XID reserves the right to change specification without notice at any time.

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