Simple Touch, Easy Access, That's XIMTOUCH
Card Access System
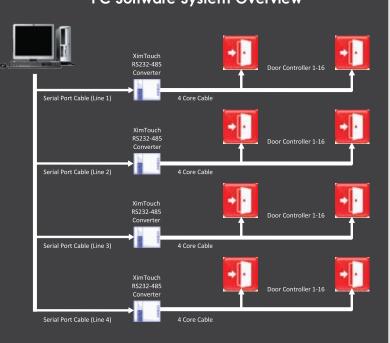## XIM 100

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XimTouch Controller,

which is a card access system to control a single door. It may be used to restrict access to a room or any other sensitive area. The XimTouch Controller accepts door PIN from LCD keypad or proximity card reader technology.

Technical Specification

Operating Voltage/ Current	Controller : 12Vdc/ 65–130mA Proximity Reader : 12Vdc/ 60–70mA
Operating Temperature	0 to 65°C
Backup Battery	Rechargeable battery 12Vdc, 7AH
Dimensions	Controller (90mm x 125mm x 25mm) Proximity Reader (42mm x 85mm x 10mm) Power Supply (250mm x 230mm x 75mm)
Weight	Controller (190g) Proximity Reader (45g) Power Supply (1.7kg)

Hardware Specifications

- 2 input points (Door sensor & exit push button)
- 1 output point (Door latch control)
- Hardware real time clock for time keeping
- Onboard buzzer for audible sounds
- Resettable fuse & TVS protection for power input and communication line
- Proximity reader interface
- PC host connection via RS485 communication
- LCD keypad reader
- LED indication for power
- 128K Bytes Non–volatile EEPROM memory
- MCU built–in watchdog timer

PC Software System Overview

XimTouch RS232-485 Converter
Door Controller 1-16
Serial Port Cable (Line 1)
4 Core Cable

XimTouch RS232-485 Converter
Door Controller 1-16
Serial Port Cable (Line 2)
4 Core Cable

XimTouch RS232-485 Converter
Door Controller 1-16
Serial Port Cable (Line 3)
4 Core Cable

XimTouch RS232-485 Converter
Door Controller 1-16
Serial Port Cable (Line 4)
4 Core Cable

Functional Specifications

- **Door access mode:**
  - Standalone single door access application
  - PC linked single door access application
  - Onboard LCD keypad reader, proximity reader and exit push button
  - Onboard LCD keypad reader and exit push button
- **Capacities:**
  - 2000 card users with 4–digit PIN number storage
  - 4000 transaction events with timestamp, event code, address and card number
- **Operation mode:**
  - Master PIN for setting menu entry (6–digit PIN number)
  - Door PIN only with 10 sets (6–digit PIN number)
  - Card only with 2000 card users entry
  - Card + PIN with 4–digit PIN number for each card user
  - Security ON by LCD keypad or via PC command (Permanent Door Locked)
  - Security OFF by LCD keypad or via PC command (Permanent Lock Release)
- **Access verification:**
  - Site code checking
  - Expiry date checking
  - Active flag checking
  - Card user record validation
  - Anti–passback verification
- **Programming methods:**
  - Local programming via LCD keypad interface
  - PC software programming via RS485 interface
- **Controller databases:**
  - 3 sets 4–digit Site Code definitions
  - 24 sets of Time Set settings with 3 time intervals
  - 24 sets of Time Zone settings with 7 days + holiday Time Set definition
  - 60 sets of holiday settings
  - 99 seconds setting for lock release time and door open time
- **Reader connection:**
  - Support EM proximity reader connection via 26–bit Wiegand format interface
- **Anti–passback function:**
  - Local anti–passback mode with Time Zone control