



## TwinXs 3S - RAC

Two door RAC access controller, intelligent device fueled with high end specifications.

---



## TwinXs 3S - RAC



2 DOOR/4 READER  
CONTROLLER



32 BIT, 200 MHz  
PROCESSOR



16GB  
DATA FLASH



COMPACT  
DESIGN



LOCAL  
PROGRAMMING



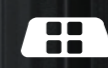
WIEGAND/OSDP  
INTERFACE



FULLY  
PROGRAMMABLE I/O's



BUILT IN 10/100 MBPS  
ETHERNET



RS485  
PORTS



SUPPORTS HTTP, FTP,  
SNMP, NTP, SSL

### Key Features

#### ► Two Door / Four Reader Controller

TwinXs 3S - RAC is a versatile access control panel and supports 2 doors or 4 doors using 4 access readers. The controller can be configured as standalone / Master or Slave. The controller supports host of other rule based features including global anti pass back.

#### ► Data Communication and Protocols

The controller supports popular communication interfaces viz 10/100 mbps ethernet and RS485. Master/Slave configuration can be implemented over any of these interfaces. In addition, it supports multiple protocols such as HTTP, SNMP, FTP, SSL & NTP. It also supports MODBUS protocol over ethernet for integration with third party devices and software.

#### ► High Speed Controller with Large Memory

The controller has high speed 32 bit processor and has a large storage of 16GB. It has a capacity to store 250,000 card holder database and last 500,000 event buffer. The high speed processor facilitates access decisions in milliseconds.

#### ► Fully Programmable I/O's

The Controller 12 Optically isolated digital inputs. All are configurable. Either as general purpose input or door sensors or egress switch inputs. Also the controller has 6 general purpose outputs. Configurable as either as lock control or extra signals. The general purpose outputs are available as potential free contacts.

#### ► Configurable Reader Interface

The reader interface is configurable. The controller also supports legacy clock / data interface in addition to more popular weigand interface. The weigand interface is configurable from 24 to 255 bits.

#### ► Field Upgradable Software

Facility to onsite update device software through ethernet interface. The product updates can easily be applied without the need of removing device and sending it back to the service center.

### HARDWARE

CPU	32 bit microcontroller running at 200 MHz
Memory	16GB data flash, 2MB RAM
Database	250,000 user database
Transactions	500,000 time stamped events storage capacity
RTC	Non volatile real time clock calendar, data retention for 10 years without external power
Audio	Inbuilt buzzer
Ethernet	10/100 Base-T RJ45 ethernet interface
Serial Port	One RS485 port
Reader Supported Protocols	Wiegand, Open Supervised Device Protocol (OSDP)
Reader Interface	Supports TCP/IP IPv4 & IPv6, SNMP, HTTP, FTP, NTP, SSL
Reader Ports	Weigand configurable from 26 bits to 255 bits / clock data
Digital Inputs	4 reader input, each with reader tamper input, 2 LED control and buzzer control output
Digital Outputs	12 optically isolated general purpose input (GPI)
Watchdog	6 general purpose output (GPO), potential free changeover relay, contact rating 3A/30VDC
Supply Requirement	Inbuilt watchdog supervisor
Power	230 VAC / 115 VAC, Built-in UL approved 12V/4.2A power supply
Operating Temp.	Less than 5 watt
Humidity	-15 to 55°C
Weight	RH 5 to 95% non-condensing
Dimensions (cm)	1.35 Kg
	1U RACK (L 48 x H 4.4 x W 14)

Technical specifications may be changed from time to time without any prior notice due to continuous enhancements in the product.



#### Head Office

**Spectra Technovision (India) Pvt. Ltd.**  
707-708-709, Venus Atlantis Corporate Park,  
Prahlanagar, Ahmedabad-380015 India.

+91 79 44111222 | [sales@spectra-vision.com](mailto:sales@spectra-vision.com)

#### Branch Offices

Mumbai | +91 22 44111222  
Bangalore | +91 80 44111222  
Gurgaon | +91 12 44111222

