



## TwinXs 3S



**RESTRICTED  
ACCESS**

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



CAN BUS RS232/  
RS485 PORTS



SUPPORTS HTTP, FTP,  
SNMP, NTP, SSL

### Key Features

#### ► Four Door / Four Reader Controller

TwinXs 3S 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, CAN and RS232/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.

#### ► Local Programming

The controller has LCD display and a 12 key keypad. This interface allows use to even program the controller without attaching it to the host computer. Also it facilitates on field diagnostics.

#### ► 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.

#### ► Compact Design

The controller size is very compact with respect to the number of interfaces. Also it has field pluggable connectors which helps in ease of wiring and termination. The controller is housed in powder coated MS cabinet along with rugged 5 amp power supply. All the reader ports are current limited there by ensuring that the controller doesn't go down even when any of the port is sorted or malfunctioning.

#### ► 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 |
| Display            | 16 char x 2 line high contrast backlight LCD  |
| Keypad             | 12 keys membrane keypad   |
| Audio              | Inbuilt buzzer  |
| Ethernet           | 10/100 Base-T RJ45 ethernet interface   |
| Serial Port        | One Selectable RS232/RS485 port   |
| Reader Supported   | Wiegand, Open Supervised Device Protocol (OSDP)   |
| CAN BUS            | One CAN BUS interface port  |
| Protocols          | Supports TCP/IP IPv4 & IPv6, SNMP, HTTP, FTP, NTP, SSL                                    |
| Reader Interface   | Weigand configurable from 26 bits to 255 bits / clock data                                |
| Reader Ports       | 4 reader input, each with reader tamper input, 2 LED control and buzzer control output    |
| Digital Inputs     | 12 optically isolated general purpose input (GPI)   |
| Digital Outputs    | 6 general purpose output (GPO), potential free changeover relay, contact rating 3A/30VDC  |
| Watchdog           | Inbuilt watchdog supervisor   |
| Supply Requirement | 12VDC / 1A switch mode supply   |
| Power              | Less than 5 watt  |
| Enclosure          | ABS housing with sleek aesthetics   |
| Operating Temp.    | -15 to 55°C   |
| Humidity           | RH 5 to 95% non-condensing  |
| Weight             | 415 grams   |
| Dimensions (mm)    | H 161 x W 174 x D 32  |

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,  
Prahladnagar, Ahmedabad-380015 India.  
+91 79 44111222 | sales@spectra-vision.com

**Branch Offices**

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

