

SAC8000

Security Access Controller

The SAC8000 is the latest security access controller by IBS that enables interfacing with pedestrian, vehicle, and lift access. The lift access system allows cardholders to enter authorized floors only, based on the access level that has been set for them. This ensures strict access security for the building. It can be used for various applications. Being a controller itself, the capability of integrating with multiple types of readers makes it more desirable to be used for access control and security purposes. The various readers options allow user to select the standard that meets their intended operation.

It can be integrated with various reader technology to suit the requirements of the application intended and designed to meet the stylish interior of any types of building.



KEY FEATURES

- ➔ Support multiple reader standards MIFARE, DESFIRE, iCLASS, LEGIC, NFC and RFID
- ➔ Remote configuration and monitoring
- ➔ Effective anti-passback features
- ➔ Suitable for pedestrian and vehicle barrier
- ➔ Configurable to cater for Lift control and many more



TECHNICAL SPECIFICATIONS

ITEM	DESCRIPTION
Controller Model	SAC8000
Micro Controller	32bit SoC
Operating Frequency	300MHz
Real Time Clock	Yes (with Lithium Battery Backup)
RAM	128/256MB DDR2 Onboard
Memory	1GB Disk on Module
Card Format Support	MIFARE, DESFIRE, iCLASS, LEGIC, NFC and Radio Frequency Identification (RFID)
Max Card Holder	40,000 Cards
Max Event transaction (Off-line Mode)	100,000

TECHNICAL SPECIFICATION

Max Blacklist ID	Up to 20,000
Anti-Passback	Function Available-Global, Local & Forgive Anti-Passback
Time Zone	Up to 255 Time Zone Group with 5 time set for each Zone Group
i) Baud Rate (Controller to Host) ii) Baud Rate (Controller to Reader)	-38.4kpbs (RS485) and 10/100Mbps (TCP-IP) -115.2kpbs
Communication Cable Type	Recommended BELDEN 24AWG 1419A/UTP Cat 5e
Max Length of Communication	1Km (RS485) / 100m (UTP Cat 5e)
I/O Interface:	Enhanced IDE port x1 RS-232 port x3 RS-232/485 port x1 USB port (Ver2.0) x4 16-bit GPIO port x2 10/100Mbps Ethernet port x1
Controller I/O	-Sensor Loop 1 -Safety Loop -Barrier Trigger
Watchdog	Yes
Power source:	Single Voltage +5V @ 380mA
Size:	100 x 66mm (3.94 x 2.6 inches)
Operating Temperature	-40°C ~ +85°C (Industrial MCU Specification)
Humidity	10% to 90% Non-condensing
Remote & Poll Controller via Web server	-IP Address Configuration -ID Configuration -Time Synchronization -Output Activation -Reset Controller -View Transaction or Card ID -Poll the Controller Health Status -Poll the Status of Controller I/O
For Control of Lift, Roller Shutter, Sliding Door, Air-Lock (Prison) and Main Gate (Prison)	UMC Lite -DI : 12 Channel -DO : 6 Channel

For Further Information, please contact