

SACS™ Standard

Solus Access Control & Time Management System



System Overview

SACS Standard™ is the smart and modern Access control & Time Management system, specifically created for Small & Medium Enterprises, which require a comprehensive security and administration tool at an affordable price. It is different from the hugely successful SACS Model for larger enterprises, as its features are specifically innovated to cater to SMEs.

What is the need?

This system is currently a requirement of SMEs in various sectors, considering the need of every SME to excel over its competitors. Based on an extensive Market Research on the needs of SMEs, it aims to bring following improvements in Small & Medium Enterprises:

- **Help in curbing operational costs** : By providing integration with cost cutting value add-ons like Solus Attendance Management System, and also ensuring high price performance level.
- **Help in Enhancing Performance by all the employees** : By ensuring higher level of security, and management of the employees by controlling their access.
- **Help in providing cost effective measures while Scaling up** : Scaling up shall increase security and access requirements; SACS Standard cares for the entrepreneurs and helps them in their scaling up, by scaling up security solutions at lower costs.

Designed specially to cater for a single door or up to 64 doors (128 readers) control application, this system integrates the intelligent DAC02 or DAC04 IPW controllers with advanced state-of-the-art SACS™ Security Management software, which truly brings to users the optimum output level in price performance.

Benefits

The system has a number of innovative features and standard specifications, the combination of which puts it way above any competition. Some benefits are specially designed for small enterprises and others are specific to all.

Specially for SMEs

- **Low Cost** : The system costs much lower compared to the Enterprise version (for large enterprises). This is ensured by the removal of features redundant for smaller firms and thus strengthening the presence of special features.
- **Integration with SAMS** : Special integration with an Interactive Attendance Management Software by Solus, ingeniously designed to improve performance efficiency of SMEs, by managing every feature related to the time & attendance of the employees.
- **Novel Cost-efficient Upgrade Feature** : Designed in an innovative modular fashion, SACS Standard™ allows the client to upgrade the system anytime from 1 to 64 doors by connecting to other DAC 02/04 IPW V1 controllers on IP Network.

System Description

This strategy ensures that the firm can always keep pace with emerging security requirements while meeting ongoing budgetary objectives.

General

- **Flexibility in Compatibility** : SACS Standard™ is fully compatible with conventional card reader technologies like EM and Proximity as well as with emerging technology like Smart cards and Biometrics. Depending on the operational needs and budget, the client can choose to adopt the most appropriate type of card reader technology that best suits its security and admin requirement.
- **Optimum Design with all requirements met** : All the needed features are present and supported by intelligent and innovative design and creation, as discussed ahead.

Features & Specialties

There are many features (apart from the ones mentioned) which make this system special.

Highly Efficient Controllers

- Combination of controllers (2 or 4) can be connected
Single controller controls 2 or 4 entry readers and exit readers (or request to exit device)
- 4000 cardholders database per controller
- **Compatibility** : Effectively supports card readers of various technologies – Wiegand, Proximity, Smart Card & Biometric

Very Secure & Reliable

- Security login control for users operating SACS Standard™ Software menu functions
- Security of all data associated with the client ensured using highest degrees of security

Ingenious Monitoring Features

- Real-time transaction monitoring of all events and alarms; such as 'door left open' alarm, 'door forced open' alarm, duress alarm, anti-pass back violations
- Capability to recover Transactions data

Innovative Installation & Maintenance

- **Bulk Card updation** : Reduces installation time and efforts
- **Remote Maintenance** : On-line hardware diagnostics and status reporting

Intelligent Reporting Facilities

- **Single Click Reports** : All Standard and most used reports are available on single click
- **Interactive & Flexible Reports** : Report Building also possible for various non standard report requirements
- **Improved Tracking Fields** : Large number of tracking fields available without increasing any complexity, thus making it easier to track reports and generate them based on the data inputs
- **Improved Technological Add-ons** : Printing Facility available, E Mail/ SMS Facility etc. also available on demand

Integration for Time Management

The Access Control System uses the data recorded, for time management of the employees. The complete Punching Report is available, through SACS Standard, along with the information related to Leave and Shift features, such as absentee calculations, overtime calculations, lunch break related analysis etc.

The above mentioned reports are available with all standard features (Importable, Exportable etc.) and also entertain few novel features as:

- Interactive Help Feature for Support & Customization
- Data to be imported, sequence and format are programmable
- Ability to import cardholder information from an ASCII file

SAMS : Solus Attendance Management System is an interactive Time & Attendance System for Management of Employees and their performance. Being web based, the system is such that regular monitoring of employee work can be done and direct integration with payroll software is easier. SAMS can be integrated with SACS to provide a winning combination for SMEs. For details, see SAMS Brochure.

Controllers, Readers & Accessories

See Ordering information Page to see how to order the Following 'essential' accessories.

- **Controllers** : DAC 02/04 Controllers form a part of the complete system
- **Readers** : Solus SDR Mifare Readers are supplied by Solus along with the product
- **Cards** : Choice of Mifare Cards & key tags.
- **Cables** : Solus also offers specially made cables for Access control purpose.

DAC Controller with MFR Readers

The Architecture shown below is for DAC 02/04 PS Controllers, the most widely used controllers with MFR 08 Readers. Solus has a range of controllers available for use in the SACS System, and is compatible with a much wider range.

About DAC: The DAC 02/04 IPW V1 controllers are designed for access control of doors, vehicle boom gate and other building facilities. The DAC 02/04 IPW V1 controller has 2 or 4 Wiegand reader ports. DAC 02 IPW V1 is capable of controlling Two Doors with One reader and RTE (Request to exit) Switch, or a single door when connected to two readers for both Entry & Exit; and similarly DAC 04 can control either two or four doors in a standalone mode or connected to a central computer for remote controlling. See DAC Controllers Specs for further details.

Solus offer several versions of the IPW controllers with built-in integral reader.

Any External card readers with Wiegand output can be used and connected to the controller upto a distance of 500 feet (165 m) using 22AWG 6 core shielded cable.

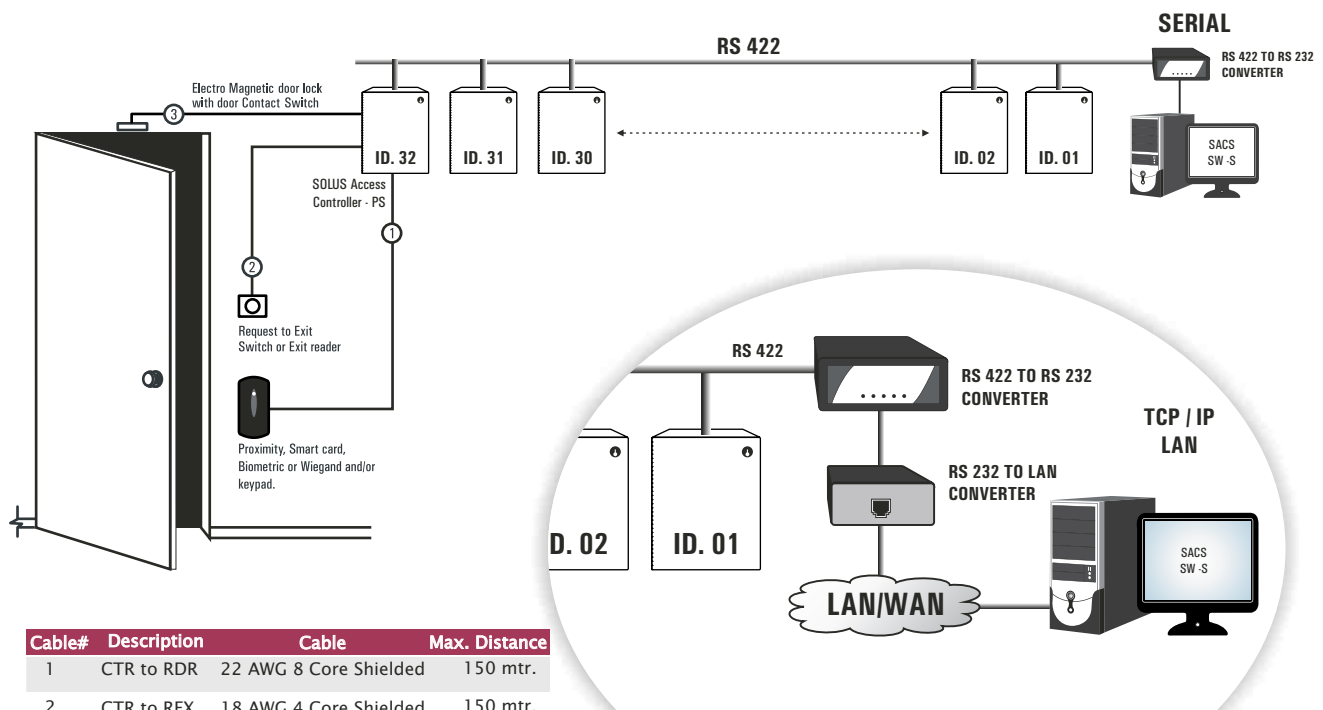


MFR 08



DAC 02/04 PS

DAC 02/04 PS System Architecture



Cable#	Description	Cable	Max. Distance
1	CTR to RDR	22 AWG 8 Core Shielded	150 mtr.
2	CTR to REX	18 AWG 4 Core Shielded	150 mtr.
3	CTR to LOCK	18 AWG 4 Core Shielded	150 mtr.
4	CTR to CTR	24 AWG 4 Core Shielded	1200 mtr.
5	CTR to LAN	CAT 5 / CAT 6	100 mtr.

Ordering Information

Technical Specifications of Controller

Features	Specifications
Card Holders (per controller)	4000
Transaction buffer	6500
Communication	TCP IP / Web browser Interface
Data Format (Wiegand)	26 Bit
Max Controller in Network	32
Time Zone	16
Memory Size	128 KB flash memory & 128K bytes RAM
Housing Dimension	Width=250mm, Height=290mm, Depth=55mm
Housing Material	1.2mm CRCA Oven baked painted
Mounting Method	Surface mount, uses 3 x m* screws
Operating Temperature	0 to 50 deg C (32 deg F to 120 deg F)
Humidity	10% to 95%, non-condensing
Power Supply/Consumption	9-12 VDC at less than 200 MA
External Battery (Not Part of Standard Supply)	12V at 7AH, lead acid free type (standard size)

Part No	Description	Models
400	SACS Standard (Free Licensing for up to 250 Cardholders)	SACS-SW-S
Access Controllers & Readers		
101	Two Reader Control panel with PS Cabinet & Power supply	DAC 02 IPWV1
102	Four Reader Control panel with PS Cabinet & Power supply	DAC 04 IPW V1
103	Two Reader Control panel with BAT Cabinet,	DAC 02 IPW V1 -B
Power supply with Charger		
104	Four Reader Control panel with BAT Cabinet,	DAC 04 IPW V1 -B
Power supply with Charger		
703	Mifare Reader SDR 913	
705	Mifare Card 1K	MFC 1K
706	Mifare Card 4K	MFC 4K
Access Control Kits		
303	1 DAC 04 IPW V1 + 4 Nos SDR 913 + 100 MFC 1k	SACS KIT 04
304	1 DAC 02 IPW V1 + 2 Nos SDR 913 + 50 MFC 1k	SACS KIT 02

Note: Battery is not supplied with BAT Models



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