

SDC-650 Door Controller

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|--------------------------------------|-----------|----------------------------|-----------|------------------------|-----|------------------------------|-----|
| Ethernet connectivity | Yes | Card Holders | 250 000 | 12Vdc auxillary output | Yes | Supports SEB-722 expander | 16 |
| RS-485 reader/ device networks | 16 | Offline transaction logs | 6 500 000 | RS-232 | Yes | Supports I/O expanders | 2 |
| RS-485 controller network | 16 | Access control doors | 8 | 5 Amp PSU | Yes | S.A.C.S Standard Edition | Yes |
| Programmable Fused Relay Outputs | 5 | Offline events & actions | Yes | 7Ah Battery | Yes | S.A.C.S Professional Edition | Yes |
| Programmable Digital/Analogue Inputs | 8 | OSDP (RS-485) support | 16 | Plastic enclosure | Yes | S.A.C.S Corporate Edition | Yes |
| Fire & Tamper inputs | Dedicated | On Board Wiegand interface | No | SSR-201 Readers | 10 | S.A.C.S Connect | Yes |

This document can be used as a guideline to determine the minimum SACS hardware required to control up to 8 doors with 16 readers. The amount of inputs and outputs required at each door, boom, turnstile or booth can increase the amount of expanders according to the requirement.

| Configuration: | Controllers | I/O Expanders | Readers | Converters |
|---|--|--|---|---|
| 2 x Doors 2 x Readers In 2 x Push Buttons Out |  SDC-650 x 1 | |  SSR-201 x 2 |  SSI-302 x 2 |
| 1 x Turnstile 2 x Readers In/Out |  SDC-650 x 1 | |  SSR-201 x 2 |  SSI-302 x 2 |
| 2 x Doors 4 x Readers In/Out |  SDC-650 x 1 | |  SSR-201 x 4 |  SSI-302 x 4 |
| 3 x Doors 6 x Readers In/Out |  SDC-650 x 1 | |  SSR-201 x 6 |  SSI-302 x 6 |
| 4 x Doors 8 x Readers In/Out |  SDC-650 x 1 | |  SSR-201 x 8 |  SSI-302 x 8 |
| 5 x Doors 10 x Readers In/Out |  SDC-650 x 1 | |  SSR-201 x 10 |  SSI-302 x 10 |
| 6 x Doors 12 x Readers In/Out |  SDC-650 x 1 |  SEB-722 x 1 |  SSR-201 x 12 |  SSI-302 x 10 |
| 7 x Doors 14 x Readers In/Out |  SDC-650 x 1 |  SEB-722 x 1 |  SSR-201 x 14 |  SSI-302 x 12 |
| 8 x Doors 16 x Readers In/Out |  SDC-650 x 1 |  SEB-722 x 2 |  SSR-201 x 16 |  SSI-302 x 12 |
| 8 x Doors 16 x Readers In/Out |  SDC-650 x 1 |  SEB-710 x 1 |  SSR-201 x 10 |  SSI-302 x 16 |

| Comments |
|---|
|  <p>OSDP is available on all our hardware and on the following 3rd party products we integrate to. Please visit our webpage to read more about the advantages in using OSDP communications.</p> <p>http://www.saflecsystems.co.za/the-advantages-of-osdp/</p>      |
| <p>The SSI-302 Wiegand to RS-485 converter board is used to connect 3rd party products using Wiegand as a communications protocol to a controller or expander.</p>        |
| <p>Electronic door lock integration is available with the following partners using their propriety protocols. The communications protocol on the controller must be changed accordingly</p>   |
| <p>Note: The SEB-710 can be used to increase the door capacity from 2 to 8 doors / turnstiles by using the 8 Fused relay outputs, 16 Digital/analog inputs or 8 open collector transistor outputs. Please keep in mind that the SDC-650 can only manage up to 10 x SSR-201 readers. Only by using Wiegand converters or OSDP will you be able to manage up to 16 readers.</p> |