

SDC-620 Door Controller

Ethernet connectivity	Yes	Card Holders	250 000	12Vdc auxillary output	No	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	2	Offline events & actions	Yes	7Ah Battery	Yes	S.A.C.S Professional Edition	Yes
Programmable Digital/Analogue Inputs	4	OSDP (RS-485) support	16	Plastic enclosure	Yes	S.A.C.S Corporate Edition	Yes
Fire & Tamper inputs	Dedicated	On Board Wiegand interface	2	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-620 x 1		 SSR-201 x 2	Onboard Wiegand
1 x Turnstile 2 x Readers In/Out	 SDC-620 x 1		 SSR-201 x 2	Onboard Wiegand
2 x Doors 4 x Readers In/Out	 SDC-620 x 1		 SSR-201 x 4	 SSI-302 x 2
3 x Doors 6 x Readers In/Out	 SDC-620 x 1	 SEB-722 x 1	 SSR-201 x 6	 SSI-302 x 2
4 x Doors 8 x Readers In/Out	 SDC-620 x 1	 SEB-722 x 1	 SSR-201 x 8	 SSI-302 x 4
5 x Doors 10 x Readers In/Out	 SDC-620 x 1	 SEB-722 x 2	 SSR-201 x 10	 SSI-302 x 4
6 x Doors 12 x Readers In/Out	 SDC-620 x 1	 SEB-722 x 2	 SSR-201 x 12	 SSI-302 x 6
7 x Doors 14 x Readers In/Out	 SDC-620 x 1	 SEB-722 x 3	 SSR-201 x 14	 SSI-302 x 6
8 x Doors 16 x Readers In/Out	 SDC-620 x 1	 SEB-722 x 3	 SSR-201 x 16	 SSI-302 x 8
8 x Doors 16 x Readers In/Out	 SDC-620 x 1	 SEB-710 x 1	 SSR-201 x 10	 SSI-302 x 14

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-620 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>