Electronic

CE12-4 and CE16S extension boards

Product description

CE12-4 and CE16S extension boards makes it possible to expand the capacity of the inputs/outputs of an SA3 concentrator or an SA2 controller.

Extension boards compatible with SA3 card

12-4 Board

RS485 BUS: SYT1AI cable blinded/pairs 5/10 or 6/10

Power supply: SYT 9/10 cable (if remote - Max. 50 m)

12 Inputs: SYT 5/10 cable or 6/10 foiled

4 Outputs: SYT cable foiled

16S Board

RS485 BUS: SYT1AI cable blinded/pairs 5/10 or 6/10

Power supply: SYT 9/10 cable (if remote - Max. 50 m)

16 Inputs: SYT foilded cable (lection adapted to equipment)

Extension boards compatible with SA2 card

12-4 Board

RS485 BUS: SYT1AI cable blinded/pairs 5/10 or 6/10

Power supply: SYT 9/10 cable (if remote - Max. 50 m)

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16S Board

Power supply: SYT 9/10 cable (if remote - Max. 50 m)

Intputs: SYT 5/10 cable or 6/10 foiled.

Outputs: SYT cable foiled. (Section adapted to equipment)

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Advantages

- **Update from ALWIN software:** the procedure for updating the boards can be done directly from the software without moving to the location of the boards.

- **Encrypted communication:** all communication between boards and other equipment is encrypted and secured in accordance with ANSSI requirements. A encoder wheel replaces the DIP Switches and allows the communication of several boards on the same RS485 bus.

- **Optimized use:** equipped with split side panels, boards can be inserted vertically in DIN racks or horizontally in boxes without side panels.

- **Energy saving:** the boards were built with a very low power consumption processor, with optimized inputs.

Architecture

Board architecture with SA3
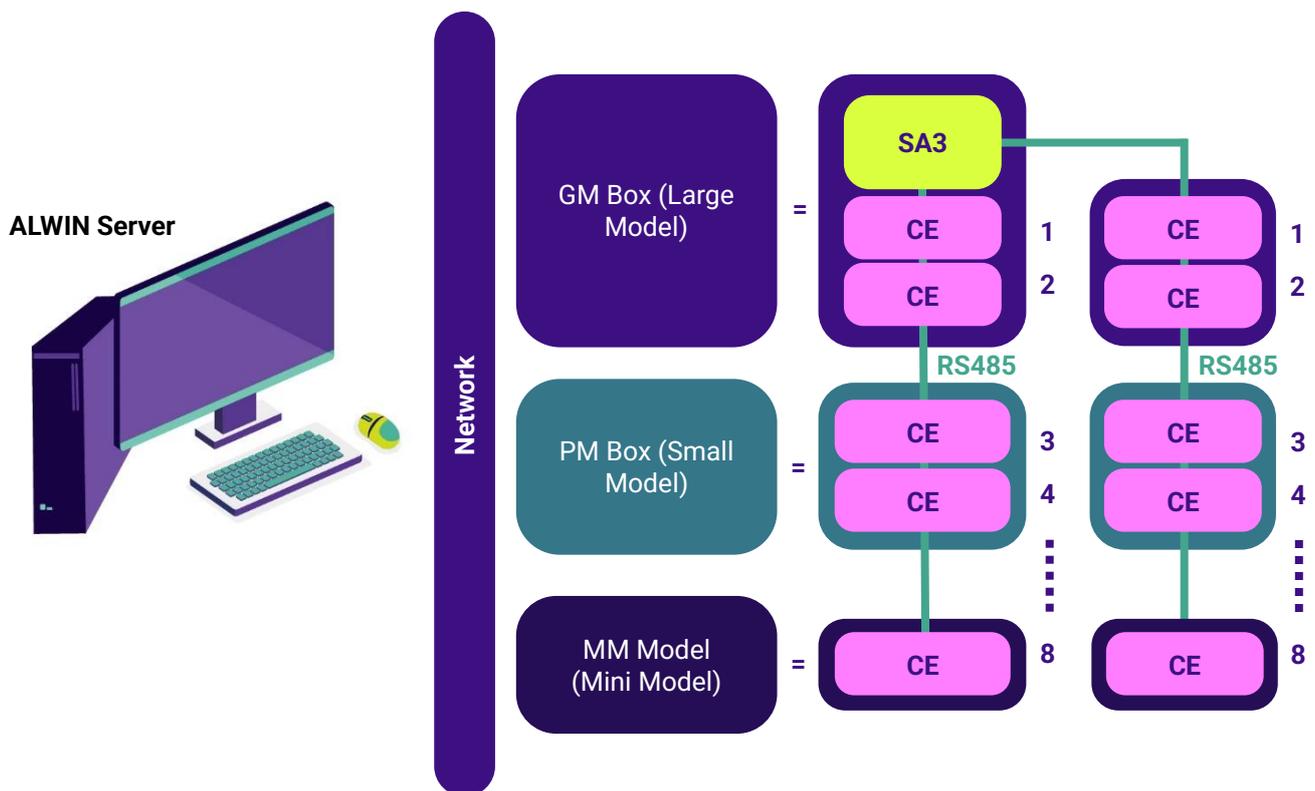
Board architecture with SA2
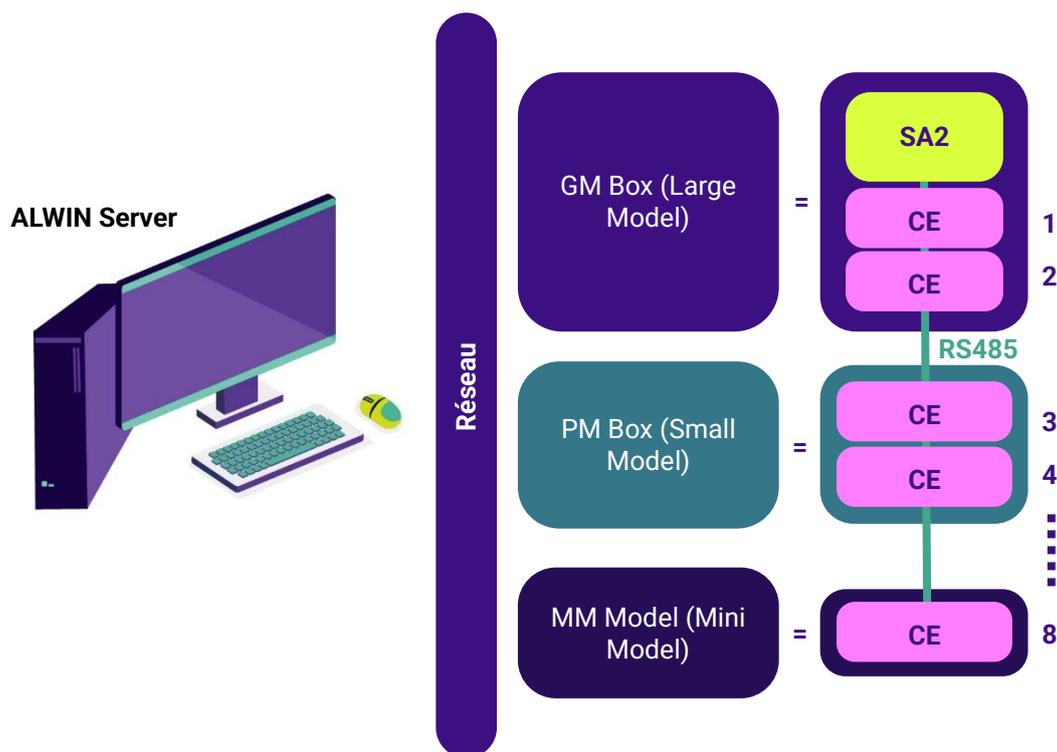
References

REFERENCES	DEFINITION
01-01-0200	CE12/4 extension board for automate SA2: allowing the management of 12 balanced inputs and 4 additional binary outputs
01-01-0211	CE16S extension board for automate SA2: allowing the management of 16 additional binary outputs
01-01-0201	CE12/4 extension board for concentrator SA3: allowing the management of 12 balanced inputs and 4 additional binary outputs
01-01-0212	CE16S extension board for automate SA3: allowing the management of 16 additional binary outputs
01-02-0030-KIT	Din RAIL adapter kit for 1 CE12/4 or 16S board

Specifications

	CE FOR SA2 ACCESS CONTROLLER		CE FOR SA3 ACCESS CONTROLLER	
	CE12-4	CE16S	CE12-4	CE16S
Number of inputs	12	0	12	0
Number of outputs	4	16	4	16
Input type	Binary or balanced	-	Binary or multi-state (6 states)	-
Output type	Binary		TOR	
Auxiliary input	1 binary inputs for surveillance box	1 binary inputs for surveillance box 1 binary input low voltage	1 binary inputs for surveillance box 1 binary input low voltage	
BUS speed	9 600 or 56 000 bds		Configurable 9600, 19 200,38,400,115,200 bits/s	
Physical interface	RS485, 2 fils			
Cable type	SYT1 A pair-shielded			
Connectors	Screw terminal block	Unpluggable screw terminal block		
Supply voltage	12 to 14,5 V		11 to 15 V	
Power consumption min – max	50Ma -370 mA	46 mA – 460 mA	33 mA- 150 mA	10 mA-400 mA
Power consumption input	20 mA max	-	1 mA max.	-
Consumption / output	20 mA in dry contact	26 mA max by affixed relay	26 mA max. in affixed relay	25 mA max. by affixed relay
General protection	Fuse, 2 A			
Operation	From 0 to 50 °C		From -25° to 65 °C	
Humidity	From 0 to 95% without condensation		From 5 to 85% without condensation	
Storage	From -40 to 70°C		From -40 to 85°C	
Card-only dimensions	155x97 mm		155x97 mm	
Dimensions with breakable edges	-	-	155x106 mm	