



## AC5200 – ACC-Lite Advanced Central Controller

SiPass®  
Integrated

- **Cost-effective and simple installation for any facility**
- **User-friendly hardware providing easy configuration**
- **Ideal controller for door control at remote locations**
- **Can be used in conjunction with the standard ACC (AC5100)**
- **Fully-featured controller providing all your access control needs**
- **Distributed intelligence for maximum performance and reliability**

The ACC5200 provides the perfect solution for controlling access at up to 8 doors in a SiPass integrated system. The AC5200 (ACC-Lite) is the ideal controller for those locations where a standard AC5100 (ACC) is not cost-effective. Like the AC5100, the AC5200 also processes all events locally, ensuring absolute integrity even in the case of a communications failure with the host system. This also greatly decreases the transaction time, as the controller does not have to wait for an access decision from the Host. The AC5200 communicates with the Host system via an onboard 100MB Ethernet port. All communications over the Ethernet connection are protected using industry standard encryption technology

**Performance**

With a great emphasis on maximum performance and high reliability, the AC5200 is the ideal, fully-featured controller for door control at remote locations. As a cost-effective alternative to the standard ACC (AC5100) of SiPass integrated, the AC5200 features easy installation and operational safety.

**Fast response time**

With the AC5200, you possess the optimum access control solution with the fastest of response time. Such high-speed performance and efficiency completely eliminates the possibility of long queues, proving to be totally reliable even during peak usage times.

**Software**

The simplicity of updating local device firmware within SiPass integrated allows it to be done without having to visit the controller cabinet or the local devices.

**Comms**

The AC5200 communication, using TCP/IP communication with advanced encryption techniques, ensures data integrity and security at all times.

**Functionality**

As a fully functioned Access Controller, the AC5200 has many advanced functions that provide enough power and flexibility for installation at any facility.

**Communication with devices**

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The AC5200 has one FLN to communicate with devices, which operates over RS485. The following table explains what devices are available:

Controller	Bus Protocol	Devices Supported
AC5200	ACC FLN	SRI (Single Reader Interface)
		DRI (Dual Reader Interface)
		ERI (Eight Reader Interface)
		8IO (Eight Input / Output Module)
		IPM (32 Input Module)
		OPM (32 Output Module)
	Entro	DC12 (Dual Reader Interface)
		DC22 (Dual Reader Interface)
		DC800 (Dual Reader Interface)
		PD30/40 (Single Reader Door)
		IOR6 (4 Input / 6 Output Module)

## Limitations

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The AC5200 is a fully functioned access controller based upon the operation of the popular, reliable and robust ACC (AC5100). However, to ensure the cost competitiveness of such a controller the amount of memory available to the user has been optimized, which translates to a reduction in controller capacity including the following features:

- 40,000 cardholder capacity
- 8 Door capacity
- No High Level Elevator management
- No Sintony Intrusion Panel interface
- No Securitel CMS Interface

**Please Note:**

If you wish to use the above features or have an increased number of doors or cards you should consider the installation of the ACC (AC5100). Also please note that a mix of AC5200s and ACCs can be installed on a single SiPass integrated system to provide you with the highest possible flexibility in site configuration and design.

## Technical data

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Operating voltage	8 to 40 VDC, 8 to 30 VAC
Operating temperature	0 to +50 °C (32–122° F)
Power consumption	100mA
Card capacity	40,000
Door capacity	8
Elevator control	Low-Level
Communication interfaces	RS232, RS485, TCP/IP for LAN/WAN
Event buffer	10,000 events
Display elements	Alphanumeric display
Keypad	16 keys including navigation keys
Backup battery	3.0 V, type CR2032
Tamper switch	Yes
Interface	<ul style="list-style-type: none"><li>● RJ45: 2 x Points, 10/100 MB Ethernet (Switched)</li><li>● RS485: FLN interface, 2-wire, max. 8 devices per FLN bus. See also FLN device load calculation.</li><li>● RS232 Modem communications</li></ul>
Flash memory	Firmware update
Housing	Plastic housing for wall mounting
Environment	Indoor/Enclosure only
Dimensions (W x H x D)	248 x 182 x 66 mm (9.7" x 7.1" x 2.6")
Weight	0.6 kg
Colour	White
European Directive "Electromagnetic Compatibility"	EN 61000-6-3 + A11 EN 61000-6-1

## Field level device load calculation

FLN device	Configuration units
ADS5200 (SRI)	1 load
ADD5100 (DRI)	2 loads
AFI5100 (IPM)	4 loads
AFO5100 (OPM)	4 loads (2 when used for lift control)
ADE5300 (ERI)	8 loads
AFO5200 (8IO)	2 loads
RS485 Port Capacity = 8 loads	

### Example of a load calculation:

2 x ADD5100 + 1 x AF05100 = 8 loads

## Details for ordering

Type	Part no	Designation	Weight
AC5200	S54507-C5-A1	AC5200 Advanced Central Controller	0.6 kg

**Accessories, not included in scope of delivery!**

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