



AC5200

SiPass®
integrated

ACC-Lite

-
- **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 AC5200 is a smaller version of Vanderbilt' high-performance IP-based advanced central controller (ACC). It can manage up to 40,000 cardholders.

The ACC-Lite has been specially designed to provide a low-cost alternative for smaller or branch installations. It provides one field level network (FLN) channel which is capable of hosting up to 8 doors for access control, monitoring input devices or controlling output devices.

Firmware can be easily downloaded or updated via TCP/IP connection without having to visit the controller cabinets. Communication with the host system occurs via a two-port Ethernet switch which provides 10/100Mb LAN connection. This makes it possible to "daisy chain" controllers. TCP/IP communication ensures the fastest possible transaction times between the host system and the field panels.

In case of power failure the database on the ACC-Lite is protected in battery-backed memory. This maintains the integrity of the access control data and ensures that the ACC-Lite is back online as soon as power is restored.

Features

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 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.

Communication

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

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
	DC22 (Dual Reader Interface)	
	DC800 (Dual Reader Interface)	
	PD30/40 (Single Reader Door)	
	IOR6 (4 Input / 6 Output Module)	

Limitations

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

Supply voltage (nom.*):	12 – 24 V AC/DC.
Absolute voltage ratings**:	9 – 40 VDC or 9 – 28 VAC.
Operating temperature	0 to +50 °C (32-122° F)
Power consumption	<ul style="list-style-type: none">● Power save 12V DC: 2.84 W, 24V DC: 2.64 W● Full on 12V DC: 3.18 W, 24V DC: 2.93 W
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	Four by four matrix keypad
Backup battery	3.0 V, type CR2032
Tamper switch	Yes
Interface	Communication interfaces: RS232, RS485, TCP/IP for LAN/WAN <ul style="list-style-type: none">● RJ45: 2 x Points, 10/100 MB Ethernet (Switched)● RS485: FLN interface, 2-wire, max. 8 devices per FLN bus. See also FLN device load calculation.● RS232 Modem communications
Flash memory	Firmware update
Housing	Plastic housing for wall mounting
Environment	Indoor use 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

* Nominal voltage has margins for transformer tolerances, mains supply variations and interruptions.

** Absolute voltage has no margins and should be used for guidance only.

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	V54507-C5-A1	ACC-Lite	0.70 kg

Accessories, not included in scope of delivery!

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