



AC5160

SiPass®
integrated

SiPass integrated controller kit

- **Wall housing with pre-assembled basic SiPass integrated components**
- **Equipped with one ACC (AC5100), two dual reader interfaces (ADD5100) and one power supply**
- **Extendable with additional components**

The AC5160 is a kit consisting of an AC5100 advanced central controller and two dual reader interfaces (ADD5100) in one enclosure. These components and a power supply are pre-assembled and wired.

The architecture of the housing and the included accessory kit allows for an easy and quick installation. As all modules are pre-assembled only the connection to the power supply and the readers has to be established. The enclosure includes cable ducts with strain relief to enable easy wiring with external connection points.

Additional space in the enclosure makes it possible to add extra SiPass integrated components. For example, it is possible to add up to four additional dual reader interfaces to support a total of 12 readers. Depending on the extension an additional power supply might be required. In this case, the two power supplies will then operate in master/slave mode. The integrated tamper switch can be used to monitor the opening of the enclosure, which can then be configured as an alarm message in SiPass integrated.

Features

- Pre-assembled SiPass integrated wall housing
- Equipped with one AC5100 controller, two ADD5100 dual reader interfaces and one power supply
- Easy and quick installation
- Extendable with additional components
- Integrated tamper contact
- Accessory kit for assembling

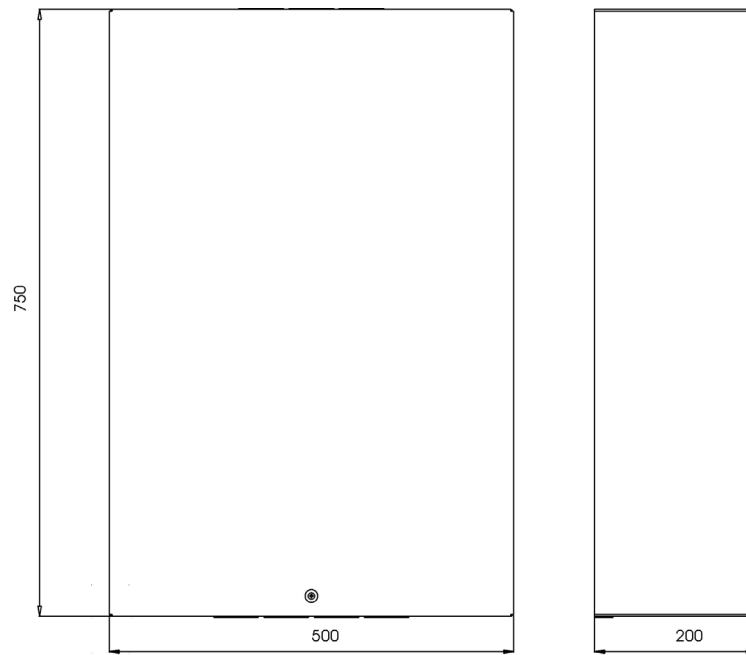
Possible configurations

Possible configurations at the maximum power consumption of the components:

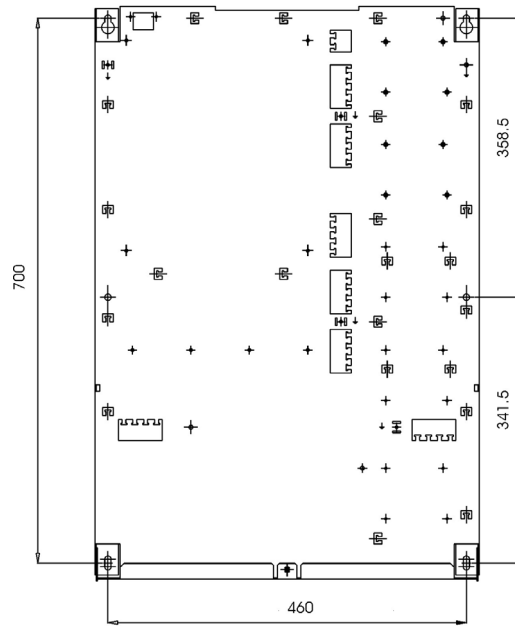
Power pack(s)	ADD5100	AFI5100	AFO5100
1	2	0	1
1	2	1	0
1	4	0	0
2	6	0	0
2	6	0	1
2	6	1	0

When making configurations, the maximum power consumption of the system (readers, door openers, etc.) must be taken into account.

Dimensions (in mm)



Housing cover



Base plate

Technical data

AC5160	
Kit includes	1 x Advanced Central Controller (AC5100) 2 x Dual Reader Interface modules (ADD5100) 1 x Power supply 1 x Enclosure
Supplied with	230 VAC-24 VDC power supply with battery backup option.
Additional components	ACK5100 diagnostic/parameterization cable, ACK5110 cable for modem connection
Operating voltage	24 VDC (-10 / +20%)
Current consumption	1.2 A @ 230 VAC per power pack (including battery charging)
Alarm input	1 x Tamper input (internally supplied, unsupervised)
Alarm output	1 x Alarm output (externally supplied MOSFET switch, max 12V, 100 mA)
Door capacity	96
Card capacity	500 000
Indicators	FLN communication, Modem, Status, Battery, Ethernet, Compact Flash
LCD Display	None
Keypad	None
Tamper switch	Integrated
Power supply connection	230 V AC, +10 to -15%, 50 Hz
Supply voltage	24 V DC
System, incl. battery charging current	max. 5 A pro 150 W-power supply
Capacity of battery	max. 25 Ah per battery
Power consumption ¹	
AC5100 ²	max. 10 Watt
ADD5100 ³	max. 25 Watt
AFI5100	max. 50 Watt
AFO5100	max. 10 Watt

¹ For additional technical data please refer to the data sheet for each module.

² Replaces type designation ACC-010

³ Replaces type designation RIM-010

Power pack

Fastener	DIN rail mount TS35
Power supply connection	Spring-loaded clips max. 1.5 mm ²
Output and signal clips	Spring-loaded clips, pluggable, max. 2.5 mm ²

Operating conditions

Max. permissible ambient temperature	-10 to +55° C
Protection rating (EN60529)	IP30
Rel. humidity	F (< 95%)
Environmental class	II

Design

Cabinet dimensions (W x H x D) in mm	500 x 750 x 200
Colour	RAL 7035, light grey
Material	Steel sheet

Scope of supply

- One installation instruction
- One accessory kit
- One wall housing consisting of base plate and cover
- One AC5100 advanced central controller
- Two ADD5100 dual reader interfaces
- One power supply (24V/150W)

All mentioned hardware components are pre-assembled.

Details for ordering

Type	Part no.	Designation	Weight
AC5160	6FL7820-8BA16	SiPass integrated controller kit	21.3 kg

Issued by
Siemens Building Technologies
Fire & Security Products GmbH & Co. oHG
D-76181 Karlsruhe
www.buildingtechnologies.siemens.com

© 2009 Copyright by
Siemens Building Technologies
Fire & Security Products GmbH & Co. oHG
Data and design subject to change without notice.
Supply subject to availability.

Document no. **A24205-A335-B232**
Edition 11.2009