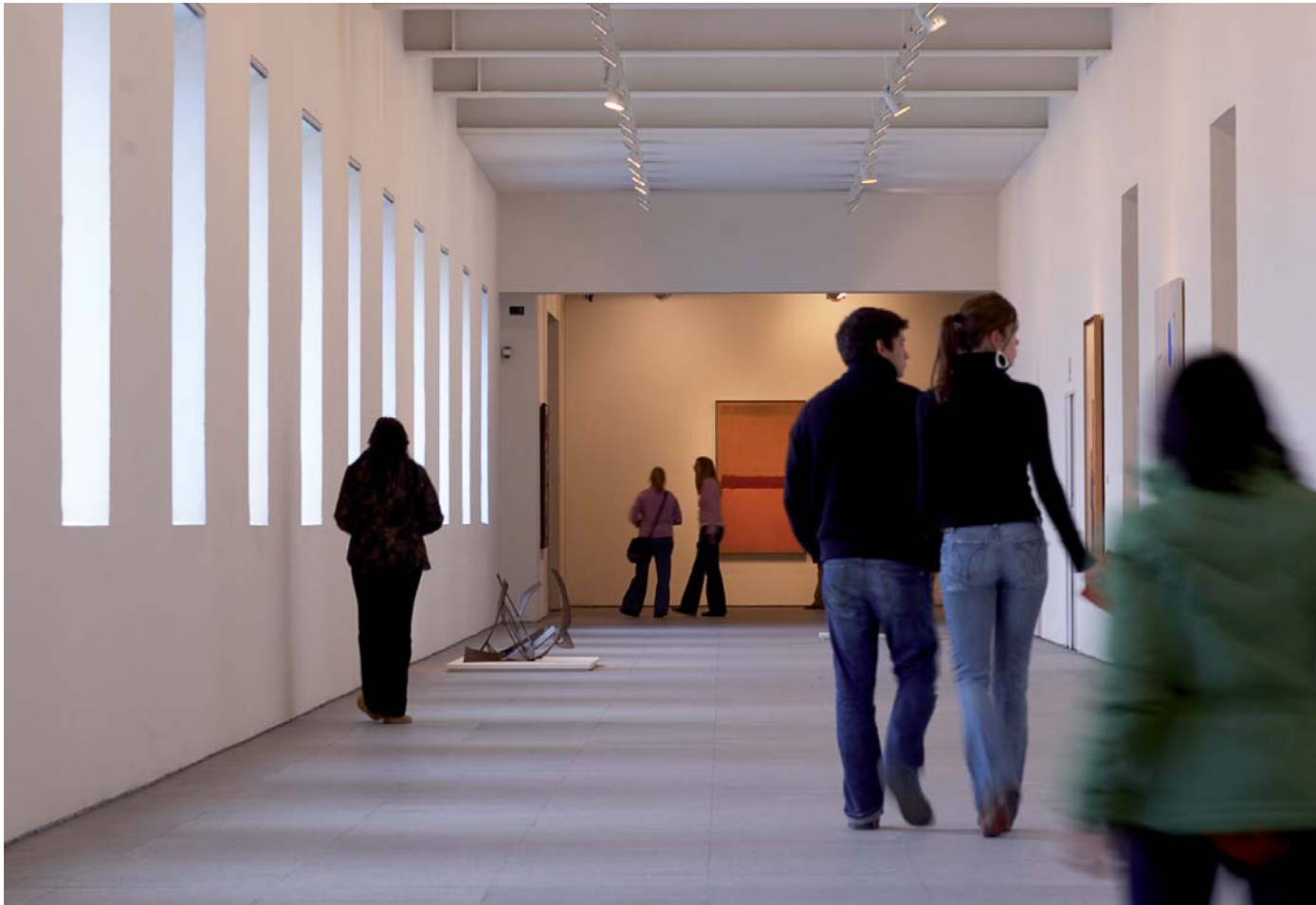Access control

SiPass® Entro Lite – User-friendly and cost-efficient

SIEMENS

SiPass® Entro Lite: Cost-efficient access control for 1–8 doors

SiPass® Entro Lite is ideal for small organizations that currently have only a few doors to secure, but want to have a reliable access control system that is easy to upgrade as the organization grows or needs change. The technology works with external and internal doors, doors to storage rooms or garages, as well as gates and barriers.

Residential complexes

SiPass Entro Lite provides security from the first door on

Monitors 1-8 doors
SiPass® Entro Lite can be used in two ways. In stand-alone mode it can monitor a single door, with all programming done via the integrated keypad in the controller (or using a PC, if the user prefers). In networked mode SiPass Entro Lite can monitor up to 8 doors, with all programming done via a standard PC.

Includes easy-to-use software
The system includes PC software on CD-ROM that enables simple and efficient programming of system functions, archiving and back-up of the system configuration, creation of event lists and filter features that make event assessment easy. The software can be used in either stand-alone or networked mode.

1,000 cardholders and 10 time schedules
SiPass Entro Lite can handle up to 1,000 cardholders and 10 time schedules. Time schedules can be used to control when various categories of cardholders are allowed access through different doors.

Works with all types of doors
The technology works with a variety of different door types such as external and internal doors, doors to storage rooms or garages, as well as gates and barriers.

Useful event buffer
The system includes a buffer that can store up to 1,000 events when the PC is offline. Valid entries, forced-entry attempts and communication disturbances are all examples of events that can be tracked.

Integrated calendar clock
SiPass Entro Lite includes an integrated calendar clock that enables you to program different access settings for different times of the day or week, or for holidays.

Anti-passback functionality
The system's anti-passback functionality makes it possible to control both entries and exits via any or all doors in the system.

Bank-lobby functionality
The bank-lobby function can be used to control access to automated teller machines (ATMs) after business hours.

Expand the system at any time
It is possible to expand to a SiPass Entro system at any time. With SiPass Entro it is possible to extend the system to up to 512 doors and 40,000 cardholders, without any hardware redundancy.

Highlights

- Monitors 1-8 doors
- Includes easy-to-use software
- 1,000 cardholders and 10 time schedules
- Works with all types of doors
- Useful event buffer
- Integrated calendar clock
- Anti-passback functionality
- Bank-lobby functionality
- Expand the system at any time

Offices

Commercial environments

How SiPass® Entro Lite works

A SiPass® Entro Lite system is comprised of stand-alone units, each of which can secure a single door or be used to create a networked system of up to 8 doors. The door-by-door upgrade option makes SiPass Entro Lite both flexible and cost-efficient.

SiPass Entro Lite is installed in a split configuration with the DC800 door controller mounted separately, within the secured area, while the reader is mounted just outside of the secured area. Placement of the door controller within the secured area enhances security by reducing the risk of tampering. It is also possible to add a second reader for exit monitoring.

As a stand-alone system for a single door, SiPass Entro Lite allows for connection of up to two readers per controller for access and exit control. All events (entries and exits) are logged in the buffer. System programming can be carried out simply and reliably using the keypad integrated in each controller or using a standard PC. No programming cards are required and it is not necessary to have a permanent connection between the PC and the SiPass Entro Lite system.
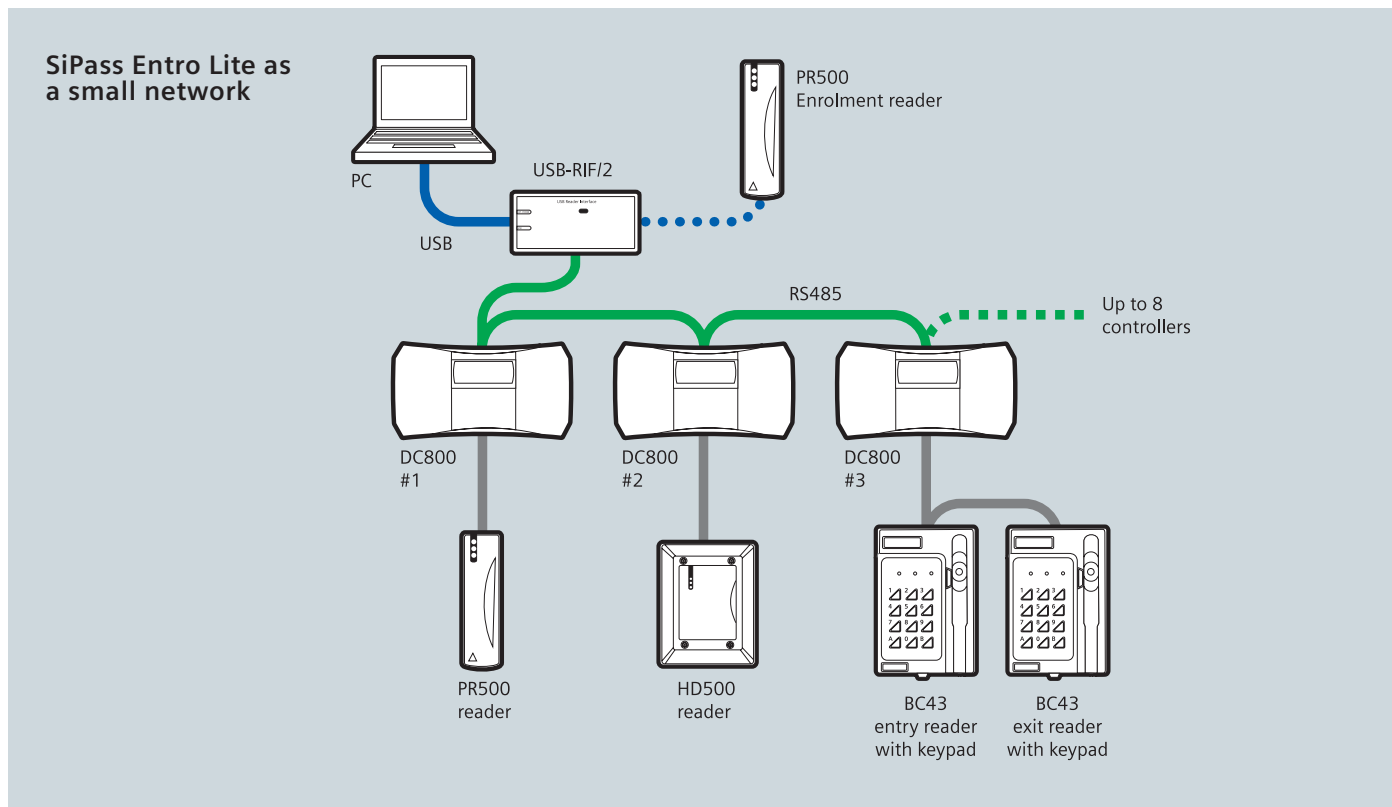
Extension into a smart network
By repositioning a jumper, SiPass Entro Lite controllers can be quickly and easily extended to networked systems of up to 8 doors. A PC is then used to configure all networked DC800 door controllers via an RS485/USB interface. The entire range of SiPass Entro readers can be connected to SiPass Entro Lite, including those that operate via Siemens' patented hands-free technology and AVI loop. Clock&Data standard or 26- or 34-bit Wiegand readers are also compatible with SiPass Entro Lite.

When a PC is connected and the SiPass Entro Lite software is installed it is possible to access and analyze all past events. It is easy to see who has been allowed access to which doors at which times, where and when unauthorized access has been attempted and when interference has occurred in communication. The built-in filter features can be used for quick, easy and clear event analysis.

Easy to expand to SiPass® Entro
It is easy to expand from SiPass Entro Lite to the more comprehensive SiPass Entro system by adding a SiPass Entro segment controller. The existing cardholder database is imported directly from the SiPass Entro Lite system. All system components can continue to be used without modification. This upgrade can be used to create access control systems with up to 512 doors and 40,000 cardholders. In addition to increasing system size, the upgrade also makes it possible to use a wide range of useful features such as facility reservation and elevator and alarm control.

SiPass Entro Lite as a small network

PR500
Enrolment reader

PC

USB-RIF/2

USB

RS485

Up to 8 controllers

DC800 #1

DC800 #2

DC800 #3

PR500 reader

HD500 reader

BC43 entry reader with keypad

BC43 exit reader with keypad

Benefits of SiPass Entro Lite

■ **Easy to install and upgrade**
SiPass Entro Lite provides optimum security either as a stand-alone system for one door or a network of up to 8 doors. It's easy to expand the system quickly as the business grows or needs change. In fact, SiPass Entro Lite and all of its components can be migrated seamlessly to a SiPass Entro system.

■ **Easy to use**
User-friendliness is one of the most important characteristics of SiPass Entro Lite, which contributes significantly to enhancing security. System programming and administration are simple matters carried out via the keypad integrated in each door controller or via Windows-based software. It is very easy to add cards, issue or change access rights and block lost cards, thereby ensuring that unauthorized people are not allowed access.

■ **Customized to meet individual requirements**
SiPass Entro Lite can be customized to suit the particular requirements of most small organizations. For example, time schedules allow for access authorization for different people to different areas depending on the time and date. A range of security levels help further define access requirements. For example, access may only require a valid card or it may require a card in combination with a PIN code.

SiPass® Entro Lite applications

SiPass® Entro Lite is particularly well suited to meet the needs of smaller residential complexes, office buildings and commercial environments.

■ **Residential environments**
In residential complexes, SiPass Entro Lite solves the problems associated with lost keys or widely-circulated entry-door codes while at the same time providing easy access to residents. The landlord or tenant-owners' association can issue cards to residents, the building caretaker and service personnel that allow access to all connected doors in the system, to a few, or to just one. It is also possible to limit access to certain times of day or days of the week.

■ **Office environments**
In office environments, SiPass Entro Lite is ideal for the control of the main entry door as the system makes it very easy to provide time-limited access to temporary staff and visitors. It is also perfect for banks that want to limit access to the area that houses their ATMs when the bank is closed. The DC800 controller and a connected reader can be programmed to read bank cards and keep the door locked for anyone that doesn't have a valid card.

■ **Commercial environments**
In commercial environments SiPass Entro Lite can significantly enhance security by ensuring the automatic locking of the main door during break times, after business hours, and on weekends and public holidays, for example. It can also make life easier for businesses that employ temporary or casual employees, as it is much easier to give them time-limited access cards than it is to keep track of who has keys to the building.

Technical data
Two readers or keypads can be connected simultaneously to each door controller. An extra relay can be used to warn if a door is held open, for door alarms, or for alarm bypass.

Data for Entro Lite software	
Door capacity	1-8
Code capacity	10
Card capacity	1,000
Time schedules	10 (up to eight time zones can be used)
Operating systems	Windows 2000, XP
Standard languages	English, German, French, Dutch, Spanish, Swedish, Danish, Norwegian and Finnish
Interfaces	USB to RS485 via USB-RIF/2
Additional functionality	Anti-passback function and bank-lobby function

Data for DC800 controller	
Reader interfaces	BC-Link, Clock&Data or Wiegand (26 bit, 32 bit, 8 bit burst)
System interface	RS485 for com bus
Housing	Plastic, wall-mounted, includes lock
Colour	White
Environment	For indoor use only
Temperature	-35 to +50°C (0 to 90% relative humidity)
Voltage	10 to 40 VDC, 8 to 28 VAC
Current	200 mA (at 24 VDC) excluding reader
Dimensions	250 (W) x 128 (H) x 54 (D) mm
Door capacity	1
Readers	2 (entry and exit)
Event buffer (offline mode)	1,000
Inputs	Door contact for door open/closed status and exit button
Outputs	Voltage-free changeover contact (lock relay), max. 2 A, 30 VDC Voltage-free changeover contact (extra relay) max. 2 A, 30 VDC

Welcome to the world of innovative thinking

■ Innovation
Siemens invests a great deal in both manpower and research and development. This results in a steady stream of new insights, technologies and inventions that enable us to improve the reliability of our products and systems, ensuring the securest products and making our systems even more simple and convenient to operate.

Advances in digital technologies are creating a whole new world of possibilities. Siemens is at the leading edge of progress in this field and continues to redefine both current and future technologies.

■ Reliability
With a history of over a hundred years, if you need an established, reliable partner you are in the very best of hands with Siemens. System expansions and upgrades can be continuously made over a period of years, which ensures your investment for the future.

■ Security
Siemens products and systems provide you with security. Today, tomorrow and for decades to come. That's why countless customers around the world place their trust in Siemens.