



ISEO Zero1
ELECTRONIC
SOLUTIONS



**Access
control**



Access control

Aries
Libra
Stylos Line
F9000
Simply
Sirio

ISEO Zero1 is a wide range of electronic access control devices which meets every application and installation exigencies. You can choose different solutions according to door typology and security level you need:

- wired devices such as Stylos credential readers, control systems and smart solenoid locks;

- off-line battery operated devices which don't require any wiring, such as Aries electronic trim set and Libra electronic cylinder;

- mechatronic cylinders with power source on the key only, such as CSF F9000.

All the present devices, together with the ones which will be conceived in the future, can be combined to create integrated access control systems sharing identification systems (credential) and operating logic.

The Iseo Zero1 systems' functions change according to the different features and dimensions of the access control systems needed by the customers.

SIMPLY

Control system for small and medium installations with relative low variations. It is based on the use of precoded card and without any software on PC. It is the electronic version of the mechanical MK systems.

SIRIO

It is an advanced access control software allowing to manage both on-line and off-line accesses in an almost transparent way for the user. The web technology on which it is based, the various autonomous device levels and the modern functions make it one of the most advanced system available on the market, able to manage almost infinite users and gates. The system is totally scalable and can manage both small installations and installations with thousands of gates in different countries or continents.

SIRIO's versatility and modularity allow to integrate not only access control systems, but also video surveillance, alarm, time attendance systems, etc.



THIS PRODUCT WAS NOMINATED FOR THE AWARD
COMPASSO D'ORO ADI BY
ADI DESIGN INDEX 2013



Sirio

ACCESS MANAGEMENT AND CONTROL SYSTEM SIRIO

The new on-line/off-line Iseo access management and control system is very powerful and flexible.

SIRIO combines the security and flexibility of an on-line system with the flexibility and convenience of an offline devices battery operated, such as the electronic cylinder LIBRA, the electronic trimi set ARIES and the mechatronic cylinder F9000.

The different types of on-line and off-line gates are controlled in the same way by the management software, in a transparent way for the user. The system itself manages and transmits the access rights for the users' credentials and guarantees at the same time maximum security, flexibility and comfort.

The software SIRIO is the core of the access control platform, which is made of different integrated and interacting elements.

The web technology on which SIRIO is based, the various autonomous device levels and the modern functions make it one of the most advanced system available on the market, able to manage almost infinite users and gates.

The system is composed of:

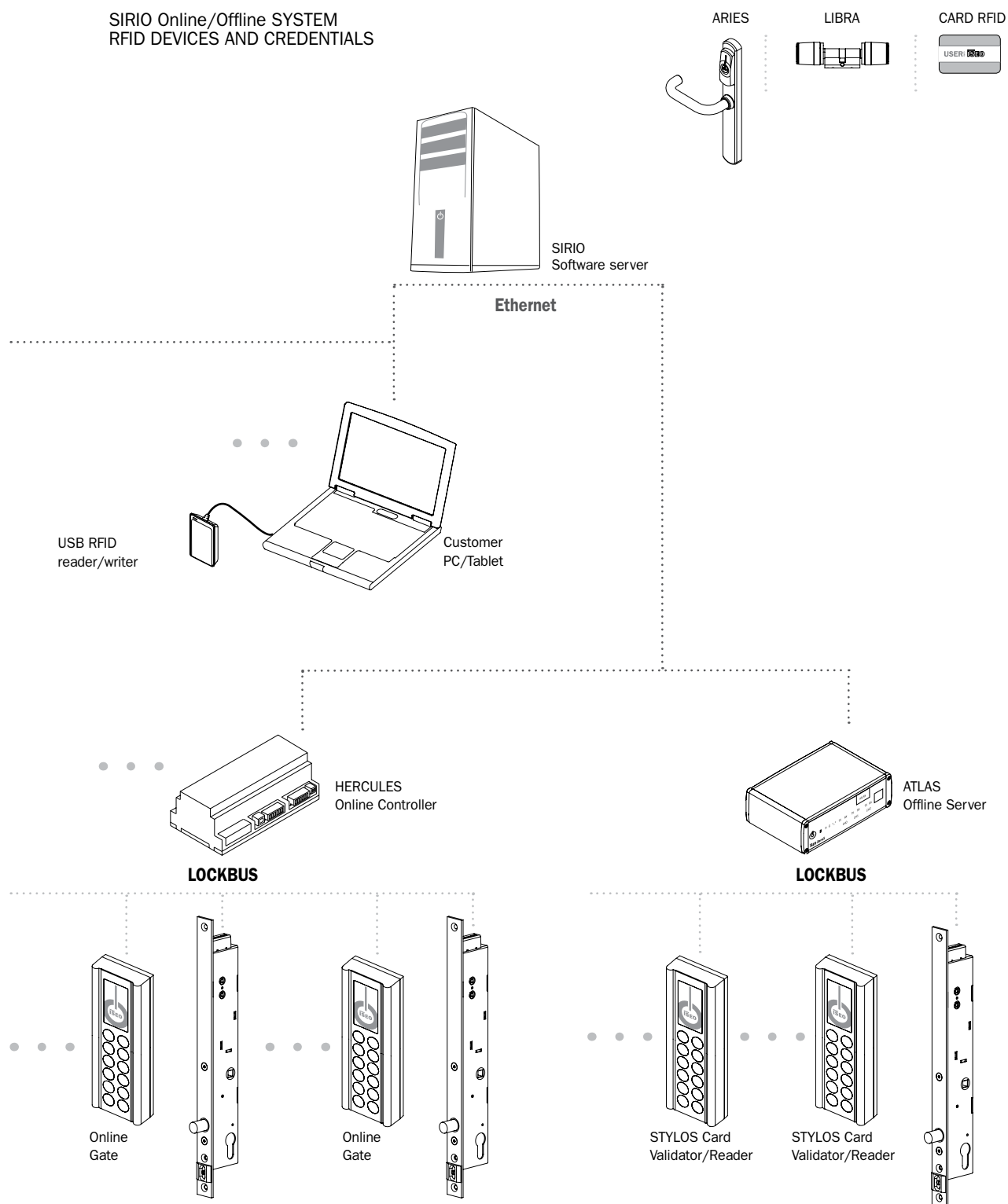
- a) management software SIRIO
- b) on-line controllers HERCULES and credential readers STYLOS
- c) off-line server ATLAS and the keys readers F9000
- d) software for the portable device HERMES
- e) off-line devices for gates control (ARIES, LIBRA and F9000)
- f) identification credentials (RFID tags and cards and F9000 keys)

The system is totally scalable and can manage both small installations and installations with thousands of gates in different countries or continents.

SIRIO's versatility and modularity allow to integrate not only access control systems, but also video surveillance, alarm and time attendance systems, etc.

Sirio

SIRIO Online/Offline SYSTEM RFID DEVICES AND CREDENTIALS

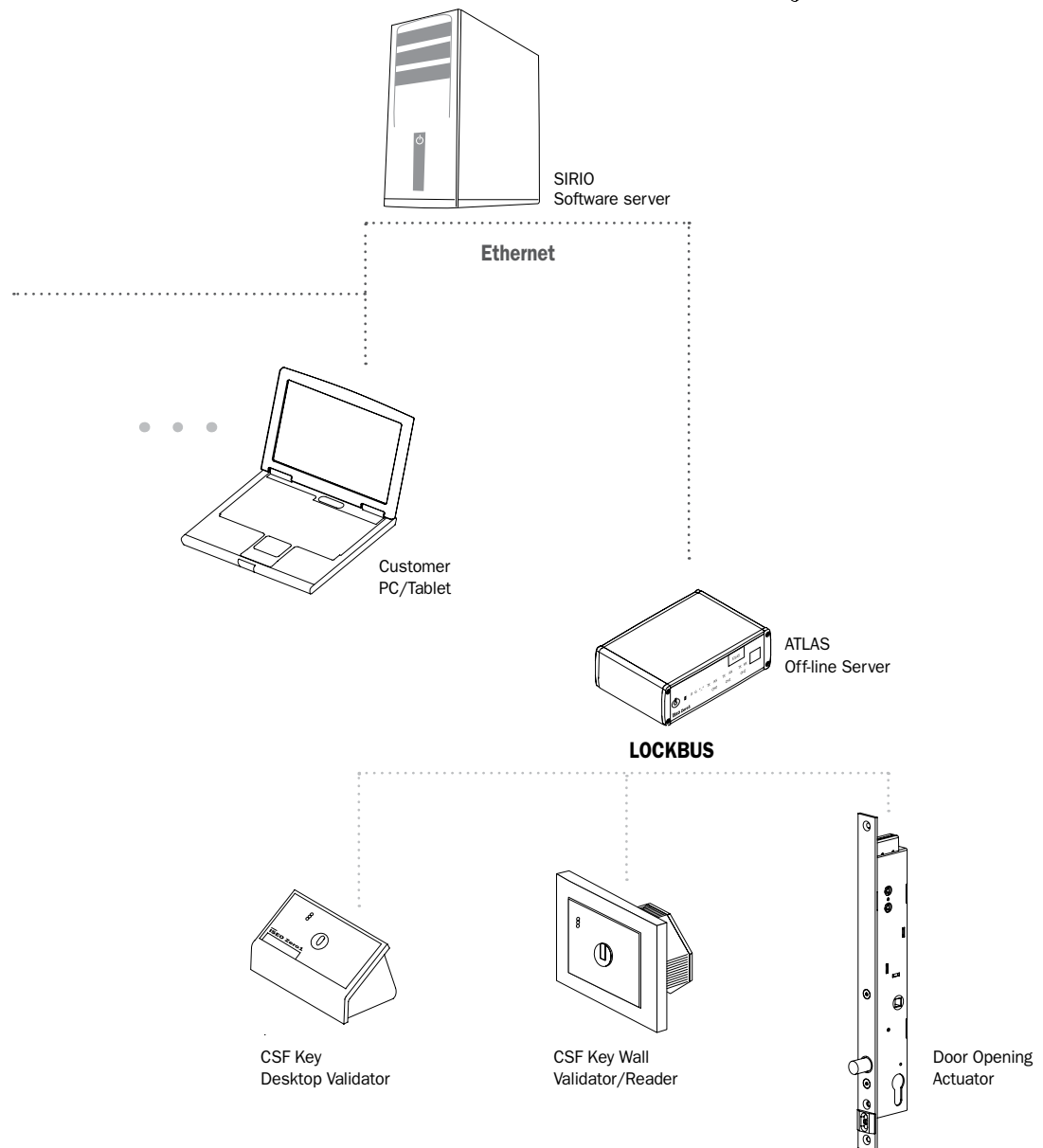


Sirio

SIRIO Online/Offline SYSTEM
F9000 CYLINDERS AND KEYS

F9000 CYLINDER

F9000 KEY



Sirio

SIRIO Off-line SYSTEM
F9000 CYLINDERS AND KEYS
RFID DEVICES AND CREDENTIALS

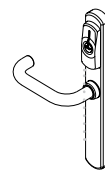
F9000 CYLINDER



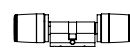
F9000 KEY



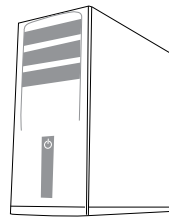
ARIES



LIBRA



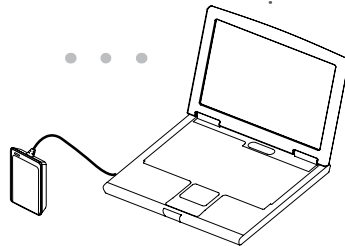
CARD RFID



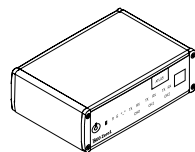
SIRIO
Software server

Ethernet

USB RFID
reader/writer

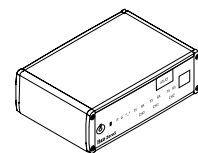


Customer
PC/Tablet



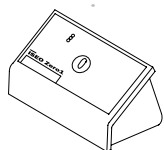
ATLAS
Off-line Server

LOCKBUS

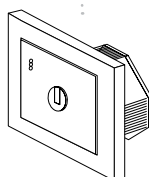


ATLAS
Offline Server

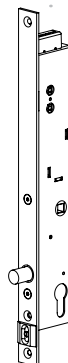
LOCKBUS



CSF Key
Desktop Validator



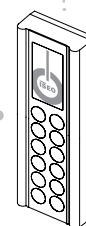
CSF Key Wall
Validator/Reader



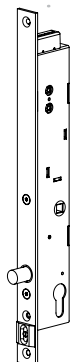
Door Opening
Actuator



STYLOS Card
Validator/Reader



STYLOS Card
Validator/Reader



Sirio

ONLINE/OFFLINE ACCESS CONTROL MANAGEMENT SOFTWARE.

Sirio management software is a web application for all ISEO ZERO1 access control systems. SIRIO WEB manages real-time the security of specific buildings areas and guarantees their continuous monitoring.

The software SIRIO manages the rights for access credentials in an integrated and transparent way, both for online and offline access points, in terms of:

- Users (“**who**”);
- Geographic authorizations (“**where**”);
- Time authorizations (“**when**”);
- Supplementary functions (“**how**”).

Key points

SIRIO doesn't require the installation of any specific software because it can operate on any PC or tablet all over the world using a web browser with any operating system.

It manages users' personal data, gives or rejects access rights, allows to do controls for each time profile, day and area, collects and shows information about accesses and alarms.

SIRIO is scalable and modular and can be used for any installation, from small to multisite and complex ones.

The rights for credentials are managed through “entrance groups” and “profiles”, so the transmission of the changes to specific users is easy and automatic.

The system can manage infinite “time profiles”, which allows to delimit time access rights.

A specific validation policy can be associated to offline keys and cards in order to guarantee maximum security even in case of loss.

The synoptic module allows for the installation real-time monitoring in order to manage alarms and maintenance interventions.

The integrated configuration module allows to define and update in any moment the system configuration.

The system memorizes every transactions, even the entrances, both for offline and online gates.

SIRIO allows to elaborate and export the transactions chronology. The high flexibility allows to analyze it in various ways.

Furthermore, the system manages also the alarms of the online gates.

Sirio

Main functions

- Installed on a PC with Windows operating system.
- It is a web based application.
- Totally interoperable with alarm, fire revelation, video surveillance and building automation systems.
- It is a native multi-language application.
- Sirio allows a multi-site and multi-company management with a unique installation.
- Each time shift is made of 8 time ranges. Each of them has start/end time and day validity, holyday and special functions (for example office function).
- The “user profile” combines group and personal rights allowing utmost flexibility.
- The system can manage an unlimited number of “user profiles” or “users groups”. Each one has a similar geographic and time authorization (“where”, “when” and “how”).
- The validation periods and policies for offline keys and cards can be allocated to each individual user.
- The transactions logs:
 - are available real-time for online gates;
 - are read from cards or keys at the validation time for offline gates.
 - can be manually downloaded from the offline gates by a portable unit, a card or a key.
- An integrated “query” design tool allows to create and memorize specific transactions data analysis.
- The online gates alarms can be programmed when the system is configured and later modified if necessary.

Technical features:

General

Plants and companies: no limits (1)

Users: no limits (1)

Administrative operators: no limits (1)

Internal companies: no limits (1)

Users group: no limits (1)

Guests and external collaborators: no limits (1)

Online gates: no limits (1)

Time profiles: 127

Time shifts per profile: 16

Online users for each Hercules controller: 30,000

Events log: no limits (1)

(1) limits deriving from database or computer storage only

RFID Offline gates (Aries, Libra)

Plants and companies: no limits (1)

Users: 65,536

Gates:

for plant: 65,536 (2)

for each card simultaneously: 520 (3)/2,000 (4)

Sirio

Events log:

RFID card: 26 (3)/228 (4)

offline gates: 1,000

Time profiles: 6 for each user/card

time shifts per profile: 6

(1) limits deriving from database or computer storage only

(2) in multi-site/multi-controller installations(

(3) 1K memory cards

(4) 4K memory cards

F9000 mechatronic cylinders

Plants and companies: no limits (1)

Users: 2,100 for each plant (2)

F9000 cylinders: 2,100 for each plant (2)

Events log:

- Key: 400 (2)

- Cylinder: 400 (2)

Time profiles: 3 for each user/key

Time shifts for each profile: 6

(1) limits coming from database or computer storage only.

(2) further combinations available with key memory different mappings.

System requirements for SIRIO Server

Operating system:

- Windows XP Professional
- Windows Seven Professional,
- Windows 2000 Professional or Server
- Windows 2003 Server
- Windows 2008 Server R2
- Windows 8 Professional
- Windows 2012 Server

Supported database:

- MS SQL Server (from 2000 version)
- Oracle 9i/10g/11g

Ethernet connection features:

- for LAN connection a PING response <10ms
- for WAN/internet connection a PING response <50ms

Sirio

Options and versions:

OFFLINE basic licence: for offline gates only and without "validation" function.

OFFLINE/ONLINE basic licence: for online and offline gates, with "validation" function.

- Sirio Web real time;
- Sirio Sin;
- Sirio Report;
- Sirio Config.

Additional modules available:

- Video integration;
- Reception module (enrollment);
- Visitors and external companies management;
- Module for badge printing;
- Viewer module;
- E-mail alarms module.

Possible integration with other software applications:

- Time attendance terminals and systems;
- Manufacturing progress management;
- Canteen management.

Lockbus

LOCAL BUS

All devices belonging of the SIRIO range are compatible with ISEO Lockbus.

Lockbus is a powerful multipoint bus sharing data transmission and power supply on the same 3-wire connection for utmost flexibility, easy installation and consequently, cost optimization.

Lockbus highlights:

Data transmission and power supply on the same 3-wire connection up to 100 m;

Self-adjusting power supply from 8Vdc to 30Vdc;

Secure device authentication (among readers and actuators) and encrypted data transmission for high security against manipulation.

Hercules

ON-LINE GATES CONTROLLER.

Where a strict real-time access control management is required, i.e. for main entrance or peripheral gates, these gates can be controlled by the On-line part of the system.

The HERCULES controller is able to control one or more on-line gates in connection with the SIRIO management software.

The on-line wired gates are controlled by:

- the HERCULES on-line controller able to manage from one to 16 gates;
- the STYLOS RFID readers;
- the Iseo electromechanical locks with Lockbus interface or the Iseo actuators.

The on-line controller is connected to:

- the SIRIO software server through an Ethernet connection
- the readers and actuators through the Lockbus connection.

The controller is 100% autonomous and continue to fully manage the connected gates also when disconnected from the SIRIO software server.

Main functions

- Ethernet TCP/IP 10/100 base T connection
- n. 2 Lockbus channels to connect readers and actuators (max 16+16)
- Compatible with Lockbus readers and actuators
- n. 2 relays on PCB (1 relay 24Vac/Vdc - 500mA max, 1 relay 230Vac – 1A max)
- DIN35 rail housing
- Power supply 12 Vac/Vdc
- Maximum Power Consumption 15 W
- 3V lithium battery

Technical features

Communication interfaces:

- 1 Ethernet interface TCP/IP 10/100 base T
- 2 Lockbus channel
- 1 WIFI/GSM connection with extra module
- 1 radio connection with extra module

Reader interfaces:

- 2 multistandard direct RFID readers 125 Khz/13.56 Mhz
- 2 magnetic cards readers

Outputs:

- 2 relays on PCB
- 1 relay 24Vac/Vdc - 500mA max
- 1 relay 230Vac – 1A max

Inputs:

- 2 analog inputs

Power supply:

- 12 Vac/Vdc
- Maximum power consumption 15W
- Software shutdown wake-up by RTC

Hercules

Batterie emergenza:

- RTC/RAM backup lithium backup battery CR2032
- 1year backup without power supply

CPU and memory:

- 8051 CPU architecture with DALLAS DS80C411 CPU, 29.48Mhz clock
- 2 MB Flash Memory
- 8 MB SRAM
- 8 MB serial Flash Memory

Signaling: 15 LED.

Housing:

- H53 9MD plastic BOX (DIN RAIL)
- LxDxH 160x90x58 mm

Environmental characteristics:

- Operating temperature: 0°C ÷ +50°C
- Storage temperature: -25°C ÷ +75°C

Atlas

EMBEDDED OFF-LINE RFID AND F9000 SERVER.

The management of the cards authorization in the Iseo off-line access control system is made by the ATLAS server, the real “heart” of the off-line management.

The ATLAS off-line server contains all the off-line locks and credential database and carry on the credential creation, update and validation by mean of the STYLOS RFID card Validators or of the F9000 key validators.

The ATLAS off-line server is connected to:
the SIRIO software server through an Ethernet connection;
the RFID validators/readers and actuators through the Lockbus connection;
the F9000 validators through the RS485 connections.

The ATLAS off-line server, loading two separate software applications, can be used to manage RFID offline devices, as Aries and Libra, or F9000 mechatronic cylinders.

Main functions

- Embedded Linux server
- Ethernet TCP/IP 10/100 base T connection
- n. 1 Lockbus channel to connect Stylos readers and actuators (max 8+8)
- n. 2 RS485 channels to connect F9000 on-line readers (max 2)
- Compatible with Lockbus and RS485 readers and actuators
- n. 2 USB Host channels (+ 1 USB channel for configuration)
- n. 1 MicroSD slot
- Desktop housing
- Power supply 12-24Vdc
- Power supply 230Vac/12Vdc included
- Maximum Power Consumption 15 W

Technical features

Communication interfaces:

- 1 Ethernet interface TCP/IP 10/100 base T
- 1 Lockbus channel
- 2 RS485 channels
- 2 USB channels
- 1 USB channel for configuration
- 1 serial interface (debug)

Power supply:

- 12-24Vdc
- Maximum power consumption 15W

Backup batteries:

- 1500mAh battery pack
- estimated duration 30 minutes backup

CPU and memory:

- ARM 9 based CPU module
- 200MHz CPU clock (ATMEL AT91SAM9263)
- 64MB SDRAM
- 256MB Flash
- 8GB Micro-SD

Atlas

Operative system:

- Linux (Kernel 2.6.28)

Signaling: 12 LEDs

- Power line active (green)
- Backup battery operating (yellow)
- Ethernet (orange)
- Tx/Rx channel 1 (2 orange)
- Tx/Rx channel 2 (2 orange)
- Tx/Rx channel 3 (2 orange)
- User 1 and 2 (red and green)

Pushbutton:

- 1 reset

Housing:

- Pushbutton
- Black
- LxPxH 167x110x53 mm

Power Supplier:

- Input 230Vac
- Output 12Vdc
- 2 poles plug

Environmental characteristics:

- Operating temperature: 0°C ÷ +50°C;
- Storage temperature: -25°C ÷ +75°C.

Options and versions:

Software for F9000 validators

Software for RFID validators

F9000 Readers

F9000 VALIDATORS/READERS.

The F9000 Validators/Readers can be connected to the ATLAS offline sever in order to create, validate and update the F9000 keys. The validators/Readers are available in different form in order to answer to the installation needing of the customer.

Main functions

RS485 interface
Cylinder hole for F9000 key insertion
Multicolor signaling leds + buzzer
Powered from Atlas server connection.

Technical features

Communication interfaces:

- 1 RS485 interface

Power supply:

- 10 – 24Vdc

Signaling:

- 3 LEDs (green, blue, red)

Housings:

- Desktop version
Vimar Idea desktop plastic Box
LxDxH 120x111x82 mm
- Frame mounting 503 version
Vimar dea frame and 503 box compatible
LxDxH 120x82x55 mm
- Frame mounting GIRA version
GIRA frame and box compatible
LxDxH 80x80x50 mm
- Wall mounting IP55 version
Vimar Idea IP55 plastic box
LxDxH 100x83x65 mm

Environmental characteristics:

- Operating temperature: -10°C ÷ +50°C (internal versions);
- Operating temperature: -25°C ÷ +50°C (external IP55 version);
- Storage temperature: -25°C ÷ +75°C.

F9000 Electronic Keys

F9000 KEYS: USER, PROGRAMMER AND EMERGENCY.

The electronic keys F9000 have the same features as the mechanical keys, moreover they represent the energy source for the cylinder and transfer the customized credentials for each user.

Main functions

- Unique non duplicable key with customized authorizations.
- Batteries within the key.
- Multicolor Led signaling batteries status.
- Easy and flexible programming of authorizations and time profiles.

ELECTRONIC KEY (USER AND PROGRAMMER KEY)

Paracentric key profile

Nickel silver key.

Electronic key non duplicable.

Data and energy transmission without electric contact.

Key neck 12 mm long, suitable for Defender.

2 lithium batteries CR1620 in the key for power source.

Battery status visible on the User key.

Both positive and denied opening events in the key.

It can be combined to MK mechanic cylinder systems.

EN1303:2005 "16000C62" classification.

Key version in compliance to ATEX directive available.

Operating temperature: 0°C/+60°C EN60068-2-1/EN60068-2-2.

Humidity: max 93% without condensation (EN60068-2-3).

EMERGENCY KEY

Paracentric key profile.

Nickel silver key.

Electronic non duplicable key.

Data and energy transmission without electric contacts.

Key neck 12 mm long, suitable for Defender.

2 lithium batteries with higher capacity, soldered and resinated, not recoverable (*).

Batteries life time up to 5 years (*).

Time shifts management not enabled.

Impermeability protection grade: IP67.

Battery status visible on the User key.

Operating temperature: -15°C/+60°C EN60068-2-1/EN60068-2-2.

Storage temperature: -30°C/+60°C EN60068-2-1/EN60068-2-2.

Humidity : max 93% without condensation (EN60068-2-3).

Package

Code

Sirio**SIRIO SOFTWARE BASIC MODULE OFF-LINE**

Off-line only Access Control Management Software
 With this version it is not possible to manage on-line gates
 and the credential validation functionality.
 Package: 1 CD, 1 installation manual, 1 license.

| | | |
|------------------|---|----------------|
| End User License | | |
| Up to 100 users | 1 | 0041500 |
| Up to 300 users | 1 | 0041501 |
| Over 300 users | 1 | 0041502 |

SIRIO SOFTWARE BASIC MODULE ON-LINE/OFF-LINE

On-line/off-line Access Control Management Software
 Modules:
 - Sirio Web real time
 - Sirio Sin
 - Sirio Report
 - Sirio Config
 Package: 1 CD, 1 installation manual, 1 license.

| | | |
|------------------|---|----------------|
| End User License | | |
| up to 50 users | 1 | 0041510 |
| up to 100 users | 1 | 0041511 |
| up to 300 users | 1 | 0041512 |
| up to 500 users | 1 | 0041513 |
| up to 1000 users | 1 | 0041514 |
| up to 2000 users | 1 | 0041515 |
| over 2000 users | 1 | 0041516 |

Package

Code

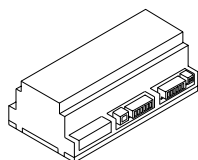
Sirio**EXTRA MODULES**

Working only with the On-line/Off-line Basic version.

Package: 1 CD, 1 license.

End User License

| | | |
|--------------------------------|---|----------------|
| Visitors management (Standard) | 1 | 0041520 |
| Visitors management (Smart) | 1 | 0041521 |
| Video integration | 1 | 0041526 |
| Badge printing module | 1 | 0041522 |
| Reception (enrollment badge) | 1 | 0041527 |
| Viewer module | 1 | 0041524 |
| Mail alarm module | 1 | 0041525 |

**ON-LINE CONTROLLER HERCULES**

Ethernet TCP/IP 10/100 base T connection

n. 2 Lockbus channels to connect readers and actuators (max 16+16)

Compatible with Lockbus readers and actuators

n. 2 relais on PCB (1 relais 24Vdc/Vdc - 500mA max, 1 relais 230Vac - 1A max)

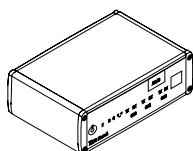
DIN35 rail housing

Power supply 12 Vac/Vdc

Maximum Power Consumption 15 W

3V lithium battery

Package: 1 controller with connectors, installation manual

1 **5E000009****ATLAS SERVER FOR RFID AND F9000 OFF-LINE DEVICES**

Ethernet TCP/IP 10/100 base T connection

n. 1 Lockbus channel to connect Stylos readers and actuators (max 8+8)

n. 2 RS485 channels to connect F9000 on-line readers (max 2)

Compatible with Lockbus and RS485 readers and actuators

n. 2 USB Host channels (+ 1 USB channel for configuration)

n. 1 MicroSD slot

Desktop housing

Power supply 12-24Vdc

Power supply 230Vac/12Vdc included

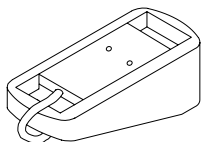
Maximum Power Consumption 15 W

Package: 1 server with connectors, 1 power supply, 1 installation manual

1 **5E002010**

Package

Code

Sirio**RFID MODEM FOR RFID OFF-LINE DEVICES**

In combination with a notebook, equipped with the ISEO communication software "Hermes SW", it is used to program, to synchronize and log readout

the offline RFID devices

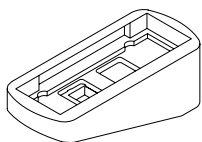
USB interface

Plastic adapter included

Package: 1 modem with plastic adapter, 1 user manual

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541E00010

**DESKTOP PLASTIC ADAPTER FOR STYLOS READERS**

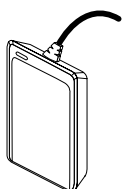
Compatible with the wall mounted Stylos readers

Package: 1 plastic adapter, 1 user manual

Note: Stylos reader not included, to be ordered separately

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541E00000

**DESKTOP RFID READER/WRITER**

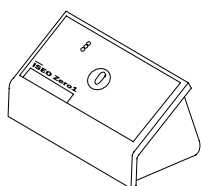
USB interface

Multicolor signaling LEDs

Package: 1 reader/writer, 1 user manual

1

E03200

**DESKTOP READER/WRITER FOR F9000 KEYS**

RS485 interface

Multicolor signaling LEDs

Package: 1 reader/writer, 1 user manual

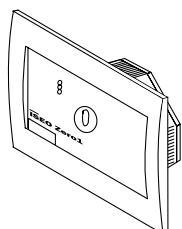
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E03210

Package

Code

Sirio



FRAME MOUNTING READER/WRITER FOR F9000 KEYS

RS485 interface

Multicolor signaling LEDs

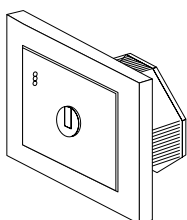
Compatible with boxes and "Vimar Idea" frames

Packaging: 1 reader/writer, 1 Vimar Idea Rondò plastic plate color black,
1 installation manual

Note: 503 box not included

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E03220



FRAME MOUNTING READER/WRITER FOR F9000 KEYS

RS485 interface

Multicolor signaling LEDs

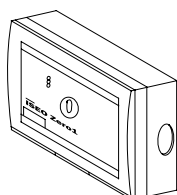
Compatible with boxes and plates

Packaging: 1 reader/writer, 1 GIRA plate and cover frame , 1 user manual

Note: wall plastic box not included

1

E03240



WALL MOUNTING READER/WRITER IP55 FOR F9000 KEYS

Suitable for outdoor installations

RS485 interface

Multicolor signaling LEDs

Wall mounted box with protective flap (IP55)

Packaging: 1 reader/writer, 1 user manual

1

E03230

Package

Code

Sirio**F9000 USER KEY**

Conventional multi-profile non-duplicable key.

Energy and coded data transmission between key and cylinder is without electric contacts.

Multi-function LED signalling access authorization and battery status.

Lithium batteries directly replaceable by the end user.

Functions:

- It stores time slots and events
- Validation and reprogramming functions via F9000 on-line readers.

Packaging: 1 key

1

80EAMKI020

**F9000 USER KEY**

Same features as F9000 User Key.

MIFARE Classic 4K transponder within battery plug allowing to use key in compatible access control system (other typologies of transponders available on request)

Packaging: 1 key

1

80EASKI120

**F9000 PROGRAMMER KEY**

Uncoded programmer key.

Multi-function LED signalling the programming and battery status.

Lithium batteries directly replaceable by the end user.

Functions:

- Data transmission between software and cylinders
- Download of events from the cylinders

Confezione: 1 key

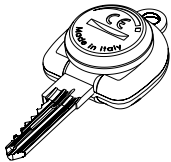
1

80EEI00020

Package

Code

Sirio



F9000 EMERGENCY KEY
Energy and coded data transmission between key and cylinder is without electric contacts.
Equipped with high power batteries to guarantee a duration up to 5 years.
Completely sealed with IP67 protection grading.
Multi-function LED signaling access authorization and battery status.
Packaging: 1 key

1

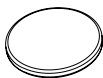
80EASKIP20



PLUG WITH TRANSPONDER KIT
Battery plug for user key with integrated MIFARE Classic 4K transponder, allowing to use key in compatible access control systems (other typologies of transponders available on request)

10

E03170



LITHIUM BATTERY
Button Battery SONY CR 1620
for replacement in electronic keys

10

050043

Package

Code

Sirio



USER CARD (ISEO LOGO)
RFID card for OFF-LINE system
Mifare Classic ISO14443/A chip
ISEO logo on the front
Blank on the rear
(available for customer personalization)

10

5E402100



USER CARD (BLANK)
RFID card for OFF-LINE system
Mifare Classic ISO14443/A chip
Blank on both sides
(available for customer personalization)

10

5E402110

1 - Field of application

These general terms of sale are intended to regulate the present and future sale contracts between the parties with the exception of any different conditions agreed in writing. Any general term established by the Buyer shall not be applied to the parties' future relationships unless agreed in writing. The Buyer's acceptance of FIAM's offer or order confirmation, however made, shall imply the application of these general terms of sale to the sale contract.

2 - Information data

The product features, prices and other data shown in FIAM's catalogues, price lists or any other documents as well as the features of samples and prototypes sent to the Buyer shall not be binding unless expressly mentioned in FIAM's offer or order confirmation.

FIAM reserves the right to make any necessary changes to their products in any moment. Any technical drawing or document given to the Buyer, which allows the manufacturing or assembly of the products or their parts, is property of FIAM. It cannot be used, copied, transmitted or communicated by the Buyer to a third party unless previously agreed with FIAM.

3 - Orders

Only written orders shall be accepted through an order confirmation.

Any offer made by FIAM's agents or representatives shall not be binding for FIAM until written confirmation of the latter.

For single orders with an amount lower than:

| | |
|---|---------------|
| Italy | 550,00 euro |
| EU | 1.550,00 euro |
| Non-EU countries | 3.000,00 euro |
| the following fixed operating expenses shall be invoiced: | |
| Italy | 25,00 euro |
| EU | 78,00 euro |

4 - Delivery

The delivery terms are:

| | |
|-------------------------|-------------------------|
| Italy | Carriage Paid |
| EU countries | Carriage Paid |
| Non-EU countries | F.O.B. (Incoterms 2000) |

The delivery terms are approximate in favour of FIAM with a fair tolerance margin. FIAM shall not be liable for any damage deriving from an anticipated, delayed or missing delivery, either full or partial. The risks connected to the supply shall pass on to the Buyer at the latest when the products leave FIAM's factory, unless the sale term or the applicable regulations provide for an earlier time.

5 - Prices - Payments

Prices, which include costs for packaging (packaging units are to be respected), shall be those in force at receipt of purchase order.

Payments, as well as any other amount payable to FIAM, shall be net at their premises. The Buyer shall not be entitled to suspend payments, even in case of disputes arising from supplied products.

Any payment dispute will entitle FIAM to suspend the manufacturing of the orders under execution and to ask the Buyer for suitable guarantees of payment and therefore to change the payment terms in force for future orders. No compensation with any credits towards FIAM shall be accepted.

For each invoice which will not have been paid by the due date, we will calculate accrued interest on arrears, by applying the official interest rate in force, according to D.LGS N. 192/2012 - implementation of Directives 2000/35/CE and 2011/7/UE. The supplied products shall remain FIAM's property until the full payment. To this end the Buyer shall undertake to do everything possible to grant in the Country where products are stocked a valid reservation of proprietary rights, or to put into force a warranty in favour of FIAM.

6 - Warranty

No returned product shall be accepted unless previously agreed with FIAM by filling in the return authorization request form. FIAM guarantees the conformity of the products with the legislation and technical standards in force in Italy.

Therefore, the buyer shall take the risk of eventual differences between Italian standards and the standards of the Country of destination of the products. FIAM guarantees the performance of their products only in relation to their stated use and application.

Any other use is considered as improper.

Should the Buyer resell these products, he shall be fully responsible to give his customers, at his own expenses, all the relevant information. The warranty is not valid in the following cases: products installation and/or use and/or maintenance not complying with FIAM instructions, modifications and/or repair without written authorization by FIAM, normal wear and tear.

FIAM's mechanical products are guaranteed for **10 years** against any engineering, material or manufacturing failures attributable to FIAM, provided they are properly used and installed. The electronic products and door closers are guaranteed for **3 years** from the date on the product label. In the absence of the label, the warranty declines unconditionally. Any replacement of components do not give rise to an extension of the warranty period for the whole product.

Claims shall be made in writing, on pain of forfeiture, within 8 days from the receipt of the goods for failures relating to quantity or for failures which could be

detected by the Buyer when receiving the goods; within 8 days from the discovery of hidden failures or non-conformities. Failures shall be exclusively assessed by FIAM's experts.

No claim against FIAM shall be accepted after the expiry of the warranty period. The Buyer shall lose the warranty right if payments are not regular. This warranty is limited to the replacement of the faulty part EXW FIAM.

No other reimbursement shall be made such as disassembly and assembly charges.

This warranty includes and replaces any other legal warranty for failures and conformity and excludes any other liability of FIAM connected to the supplied goods. Unless in case of fraud or gross negligence grave offence on the part of FIAM, the latter shall not be liable for direct, indirect or consequential damages to the buyer of the supplied products. In particular, the Buyer shall not be entitled to claim a damage refund, a price reduction or contract termination.

7 - User Licence agreement

Important

Please read carefully this end user License agreement. The installation or use of any software shown in this catalogue means that you accept the terms and conditions of the following agreement.

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In no event will ISEO be responsible for any consequence, indirect, incidental or of any kind, including lost profits, business interruption, lost information, or other losses, arising out of the use or inability to use the software, even if ISEO has been advised on the eventuality of such damages.

Iseo responsibility for any direct damages to you or any third party will be in any event limited to gross negligence or willful misconduct.

8 - Competent Court - Applicable law

Any dispute arising from or connected with the contracts to which these general terms apply will be exclusively dealt with by the Court of Como; FIAM shall however be entitled to take legal action also before the Buyer's Court.

These general terms of sale are regulated by the Italian Law.

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