



SABIANA
IL CLIMA AMICO

Welcome

Sabianet 3.2

Sabianet 3.2

- ✓ The Sabianet 3.2 supervision system is installed in a PC box, it can be connected to a network of fan coils or recovery unit all of them equipped with the MB board.
- ✓ The system is manageable in an easy and quick way:
 - 1 locally with a mouse, keyboard and monitor
 - 2 remotely using any browser
 - 3 remotely using the available APPs
- ✓ Interoperability in Open API 3.0 specification with other supervision systems:
 - 1 Local API with HTTP protocol without internet connection
 - 2 User API with HTTPS protocol and with registration to the Cloud Sabiana.



List of units with MB card

- ✓ Fan coil asynchronous motor and ecm motor .
- ✓ Cassette asynchronous motor and ecm motor .
- ✓ Cassette Jumbo.
- ✓ Coanda asynchronous motor and ecm motor .
- ✓ Fly asynchronous motor and ecm motor .
- ✓ Elegant ecm.
- ✓ Maestro, QCV-MB.
- ✓ Ocean, QCV-MB
- ✓ Carisma residential Whisper CFF.
- ✓ Carisma floor CFP ecm.
- ✓ Atlas ecm.
- ✓ Janus ecm.
- ✓ Recovery unit Energy Smart.
- ✓ Recovery unit Energy Plus.
- ✓ SIOS board.

Composition of the Sabianet 3.2 system

The Sabianet 3.2 package, cod.9079118, includes :

- PC box with inside SSD memory
- Power supply for PC box
- USB/RS485 converter
- Instruction manual

✓ Linux O.S., Debian distribution, the Sabianet supervision software is already installed.

Memoria SSD

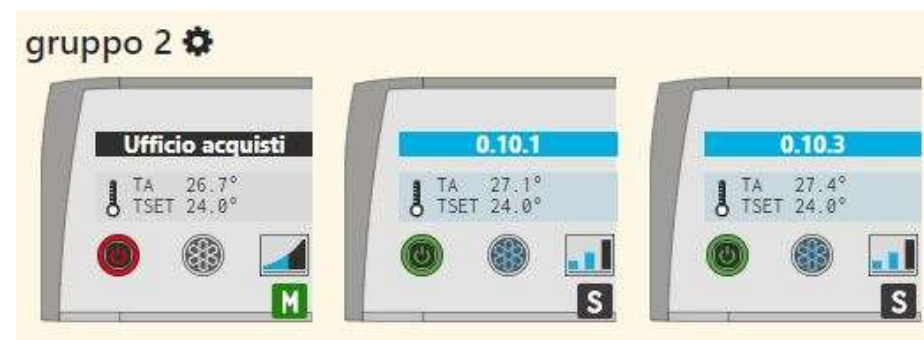
Sabianet PC Box has an internal SSD memory instead of the hard disk. The total and absence of moving mechanical parts brings the following advantages:

1. Less chance of failure
2. Increased impact resistance
3. Faster loading speed of graphic pages



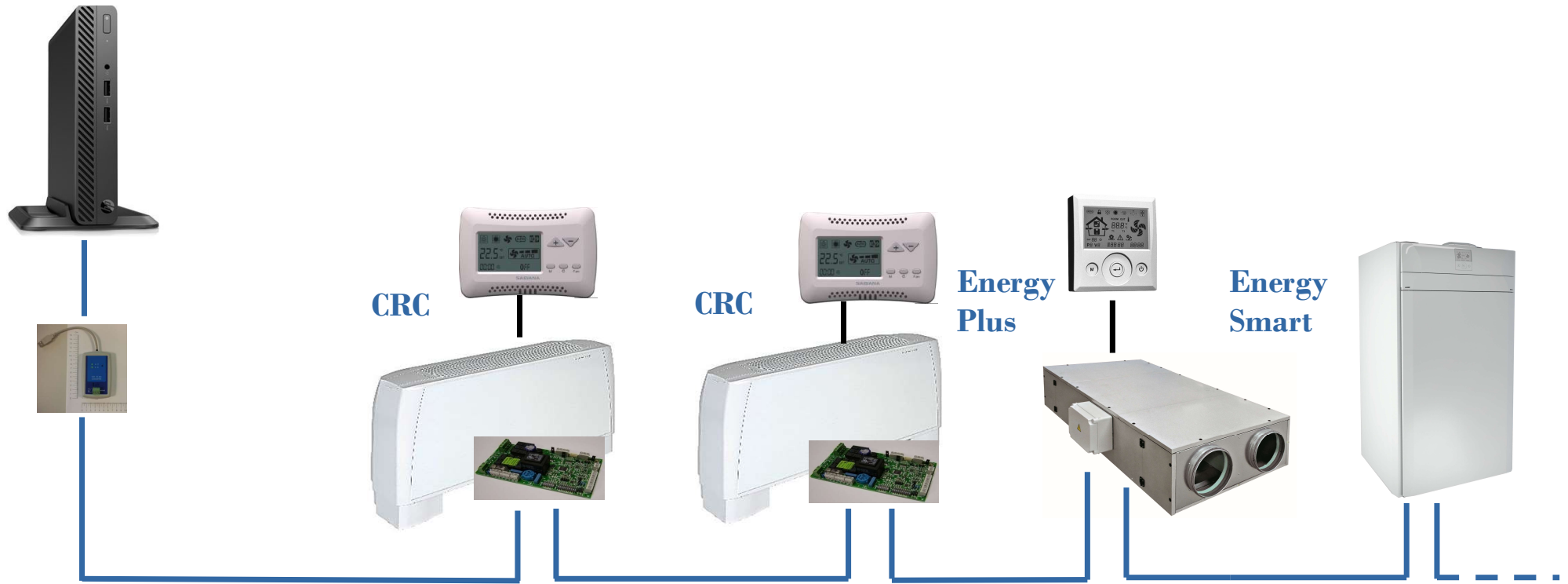
Main features

- ✓ Ease of use
- ✓ Unit name customization
- ✓ Creating groups of units
- ✓ Creation of master / slave networks
- ✓ Creation of weekly programs and special events
- ✓ View and email notification of alarm messages
- ✓ Unit status change report and temperature graph
- ✓ Management up to 60 units without routers, Over 60 units it is necessary to use routers or T-DIs; below the various configurations.



Example of a system up to 60 units

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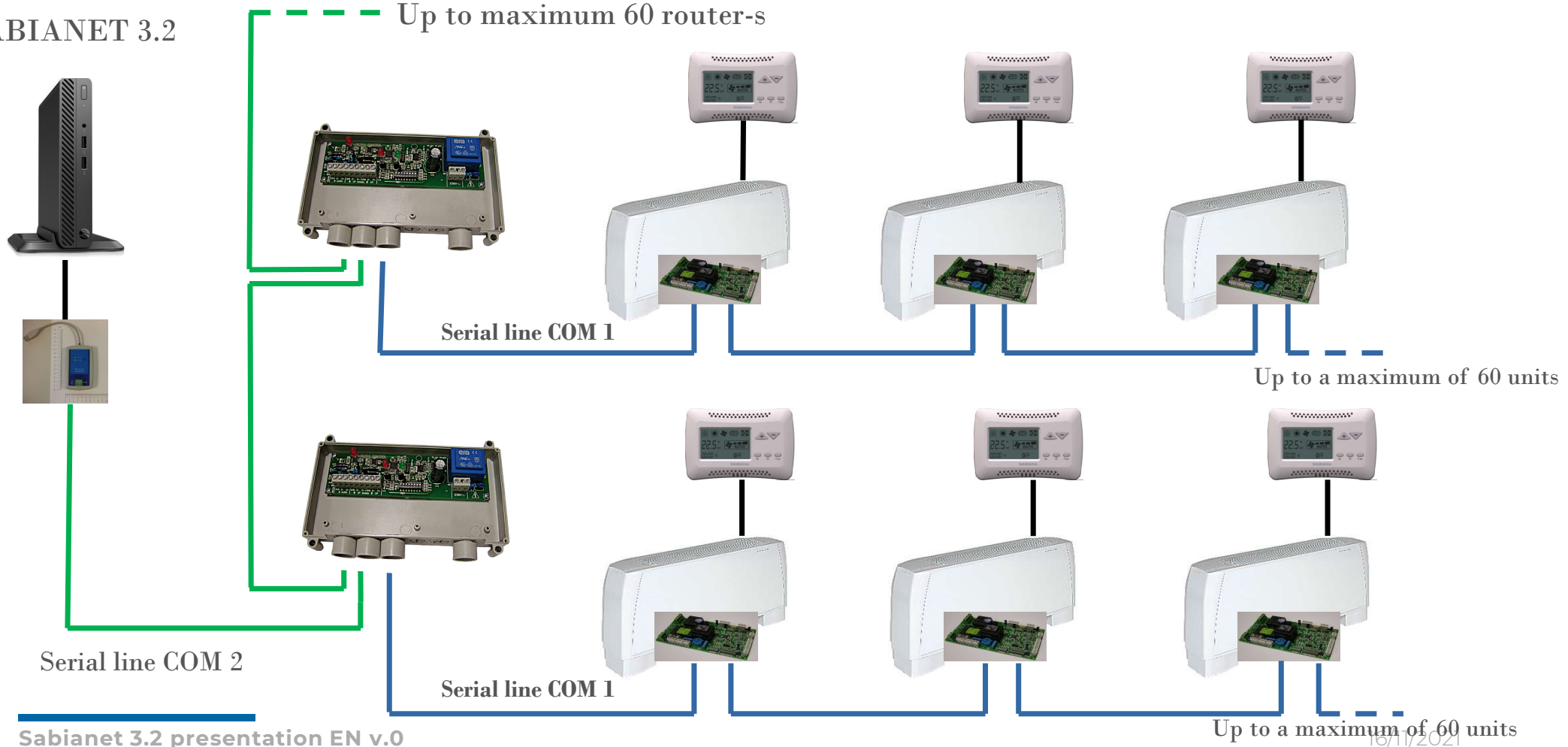


Serial line

Up to a maximum of 60 units
(SIOS + MB = 60)

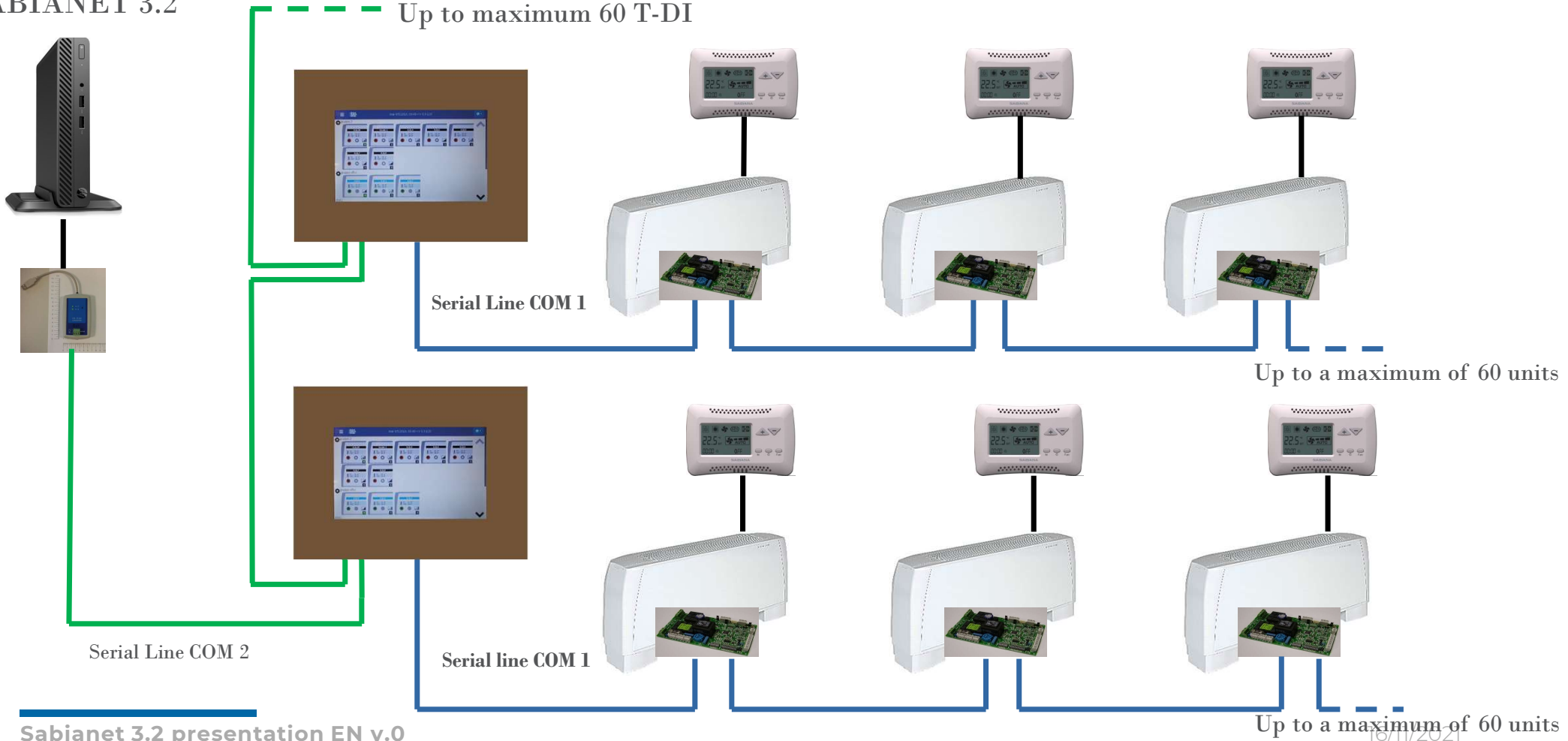
Example of a systems with router-s

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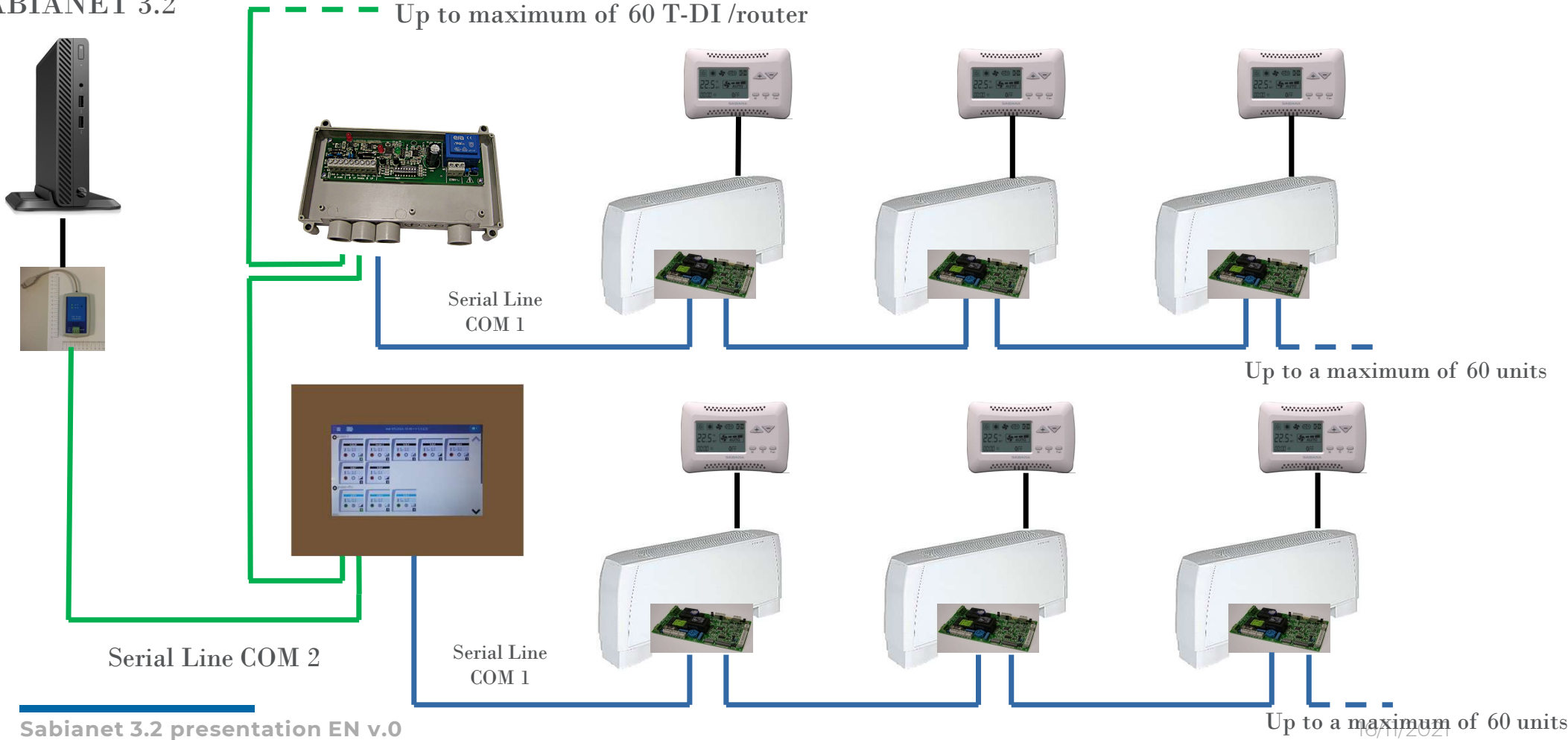
Example of a system with T-DI

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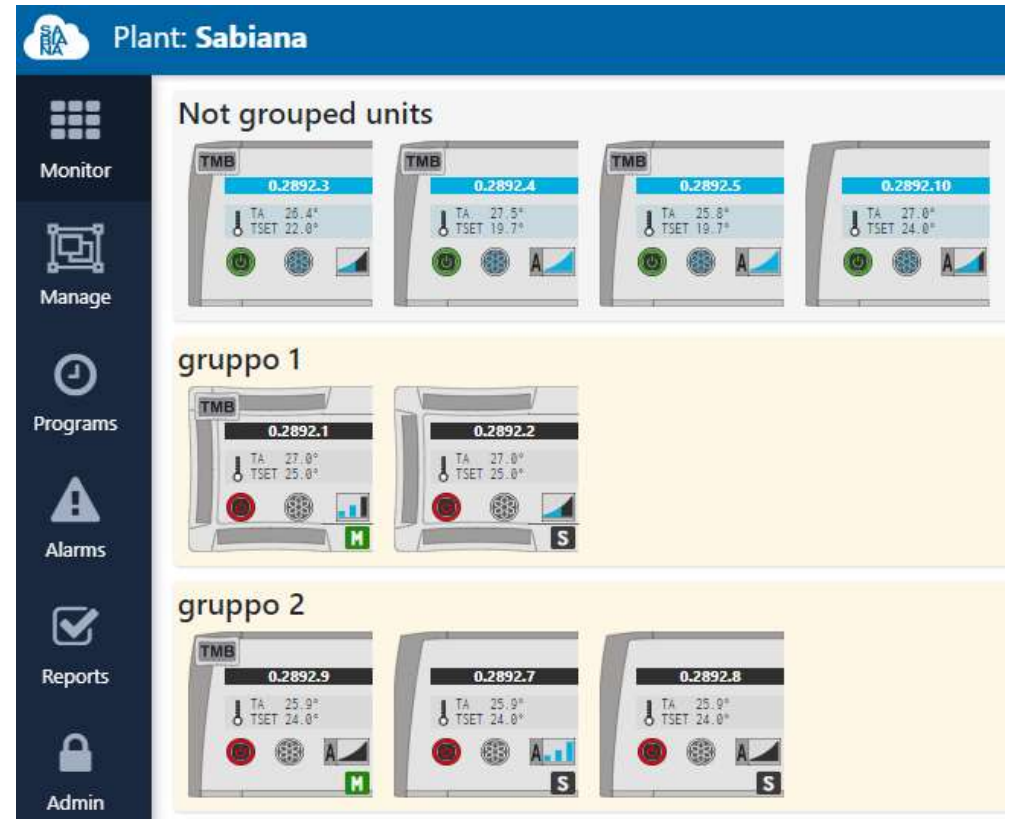
Example of a systems with T-DI and router

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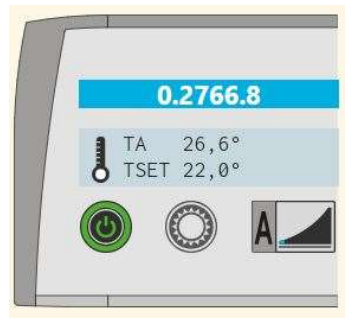
Graphic pages

- ✓ Monitor: manual unit controls, reading parameters.
- ✓ Manage: change of unit name, creation of groups, creation of master/slave networks, SIOS board management.
- ✓ Programs : program creation and association of the program to a group.
- ✓ Alarms : alarm display.
- ✓ Reports: unit status change, program execution.
- ✓ Admin: Sabianet configuration.



Simple and intuitive use

- ✓ Manual control of each terminal unit with a click on the icon,
- ✓ Possibility to reduce the range of the two set points.
- ✓ Key lock activations on the local command.
- ✓ Possibility to activate the flap in the Jumbo and Fly units.



0.2892.10 - ECM FanCoil x

Status: OFF ON

Mode: Winter Summer Fan

Fan: Auto Min Med Max

Set point: - 24.0 °C +

Winter range: 10 - 30

Summer range: 10 - 30

Locks:
 On/Off
 Mode
 Set point
 Fan

Close Advanced settings Save

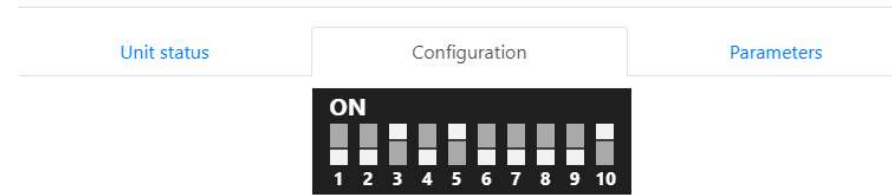
Dip sw and parameters display

Monitor:

✓ Dip sw configuration display

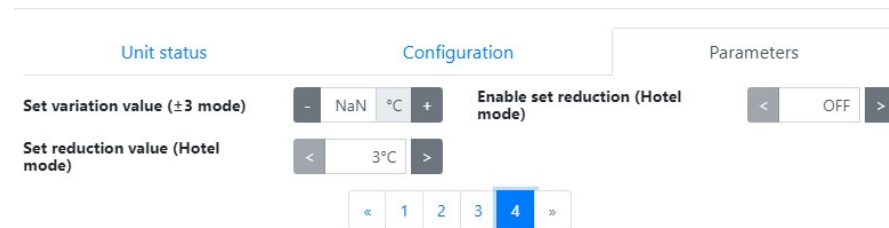
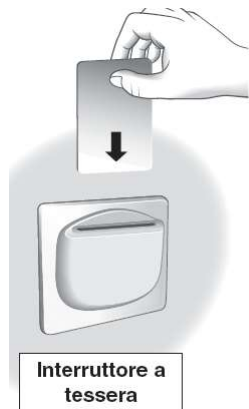


3004.0.1.2 - ECM Cassette



Dip	OFF option	ON option
1: OFF	2 pipe units	4 pipe units
2: OFF	Thermal power station with valves	Thermal power station with Fan
3: ON	T3 disabled	T3 enabled
4: OFF	T3 only Winter when enabled	T3 Winter and Summer when enabled
5: ON	Continuous ventilation	Simultaneous ventilation of valves
6: OFF	Unit without electrical heater	Resistance-coils Management
7: OFF	T2 as CH Change-Over (resistance phase II)	Resistance-coils with T2
8: OFF	RL7 (D0-D0) according to the state of the controller	RL7 (D0-D0) according to the pump
9: OFF	CA = Remote ON/OFF	CA = Remote Summer/Winter
10: ON	Master	Slave

Hotel Function



It is possible to activate the Hotel function:

When a customer leaves the room he takes out the card and fan coil goes into reduced mode (from 3°C to 6°C).
 At the reception it is possible to see the status of the function through the monitor.

Unit name customization

Creation of master/slave network

Manage:

- ✓ Unit name customization.
- ✓ Creation of master/slave network without the use of routers.











Management of SIOS board


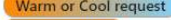



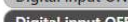

Group activation

- ✓ Activation of chiller output on cooling request.
- ✓ Activation of boiler output on heating request.
- ✓ Output activation in the event of an alarm connected to the SIOS board input.

0.2892.6

Output name	Mode	Logic	Delay	
1 chiller	Simple	gruppo 1	0	
2				
3				
4				
5				
6				
7				
8				

Legend

-  Alarm
-  Warm or Cool request
-  Warm request
-  Cool request
-  Unit ON
-  Digital input ON
-  Digital input OFF

Creating programs


Program:

- ✓ Creation of a new program, weekly and special.
- ✓ Creation of an event every 15 minutes.


x

Create a new program

Program type




Weekly




Special


Unit type




Units



IO Boards



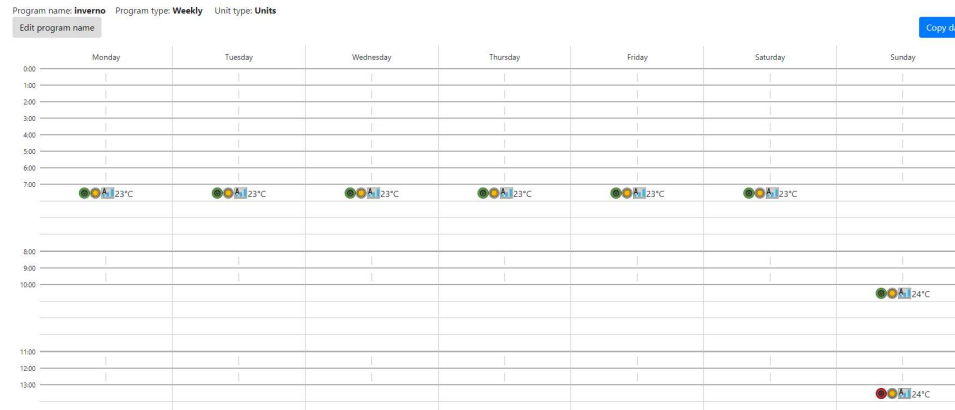
RVU units



Heat pump

Program name:

Close
Create



Allarm

Allarm:

✓ Display of alarm messages with e-mail notification.

Alarms histori		Alarms notifications settings	
Date time	Unit name	Unit group	Alarms
Wed, 1/23/2019, 3:55 PM	<u>recuperatore - 0.2892.15</u>		✓
Wed, 1/23/2019, 3:55 PM	<u>0.2892.16</u>		✓
Wed, 1/23/2019, 3:52 PM	<u>amministrazione 2 - 0.2892.7</u>	AMMINISTRAZIONE	⚠ Lost connection
Wed, 1/23/2019, 3:52 PM	<u>amministrazione 3 - 0.2892.8</u>	AMMINISTRAZIONE	⚠ Lost connection
Wed, 1/23/2019, 3:52 PM	<u>amministrazione 1 - 0.2892.9</u>	AMMINISTRAZIONE	⚠ Lost connection
Wed, 1/23/2019, 3:52 PM	<u>Vendite uno - 0.2892.10</u>		⚠ Lost connection
Wed, 1/23/2019, 3:52 PM	<u>Pipp - 0.2892.11</u>		⚠ Lost connection
Wed, 1/23/2019, 3:52 PM	<u>0.2892.12</u>		⚠ Lost connection
Wed, 1/23/2019, 3:52 PM	<u>0.2892.13</u>		⚠ Lost connection
Wed, 1/23/2019, 3:52 PM	<u>0.2892.14</u>		⚠ Lost connection
Wed, 1/23/2019, 3:52 PM	<u>recuperatore - 0.2892.15</u>		⚠ Lost connection
Wed, 1/23/2019, 3:52 PM	<u>0.2892.16</u>		⚠ Lost connection

Report

Report:

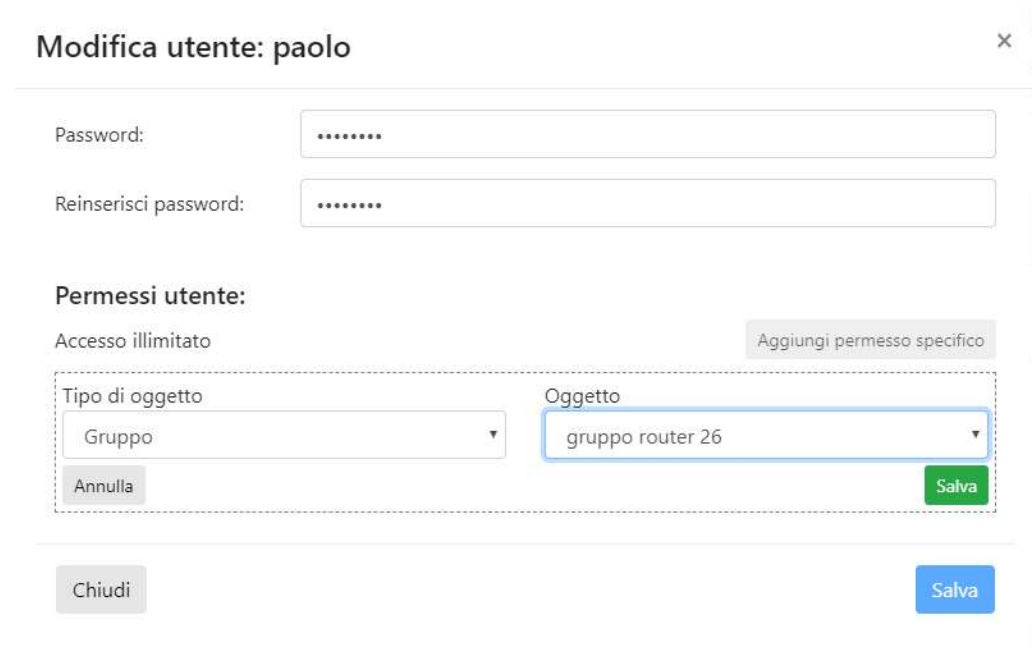
- ✓ Report : change of unit status, program execution.
- ✓ Temperature diagram exportable in Excel format.



Administration

Admin:

- ✓ It is possible to create users with the permission to manage a fan coil or a group of fan coils; in this way the user can only manage the fan coils in his office.



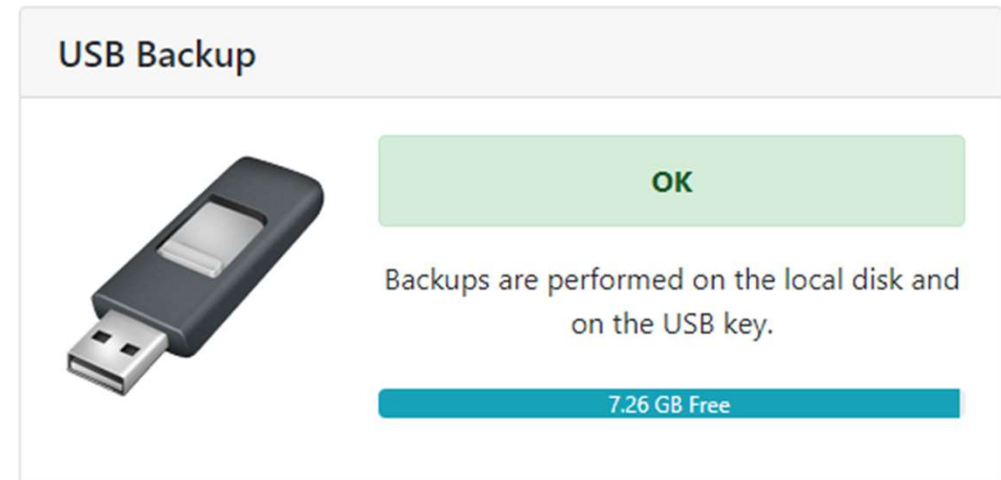
The screenshot shows a web form titled "Modifica utente: paolo" with a close button (x) in the top right corner. The form contains the following elements:

- Password:** A text input field with masked characters (.....).
- Reinserisci password:** A text input field with masked characters (.....).
- Permessi utente:** A section with the text "Accesso illimitato" and a button "Aggiungi permesso specifico".
- Object Selection:** A dashed box containing two dropdown menus:
 - Tipo di oggetto:** A dropdown menu with "Gruppo" selected.
 - Oggetto:** A dropdown menu with "gruppo router 26" selected.
- Buttons:** An "Annulla" button is located below the "Tipo di oggetto" dropdown, and a green "Salva" button is located below the "Oggetto" dropdown.
- Footer Buttons:** A grey "Chiudi" button is on the left, and a blue "Salva" button is on the right, both at the bottom of the form.

Backup

Admin:

- ✓ Automatic data saving every 6 hours on internal memory.
- ✓ It is also possible to save the data on a USB stick.





Remote supervision with browser

By connecting the Ethernet cable, it is possible to work remotely by viewing the entire functionality of the program through a browser, such as Google Chrome ®

IP address: 192.168.118

Network parameters can be changed.



Network settings

IP Config.	<input type="radio"/> Automatic [DHCP] <input checked="" type="radio"/> Manual
IP	<input type="text" value="192.168.0.118"/>
Mask	<input type="text" value="255.255.255.0"/>
Gateway	<input type="text" value="192.168.0.254"/>
DNS Config.	<input type="radio"/> Automatic [DHCP] <input checked="" type="radio"/> Manual
DNS	<input type="text" value="192.168.0.254"/>

Remote connection through the APPs

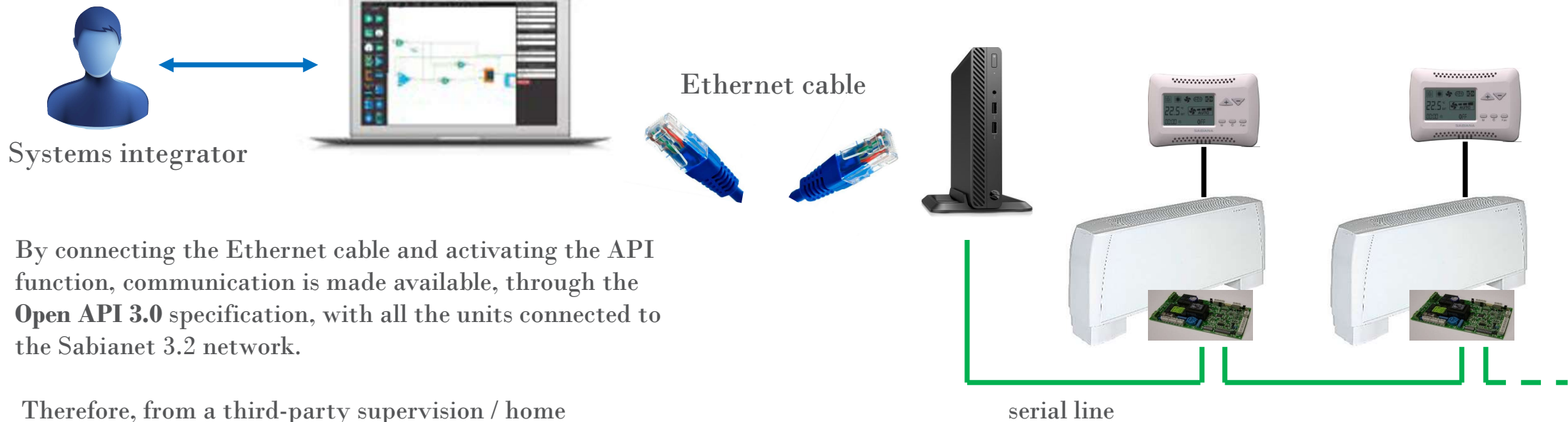


The user with PC, Tablet or Smartphone reaches the system through the App. Available for Android and IOS.

Interoperability with Local API

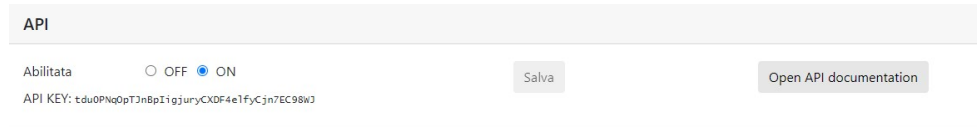
BMS

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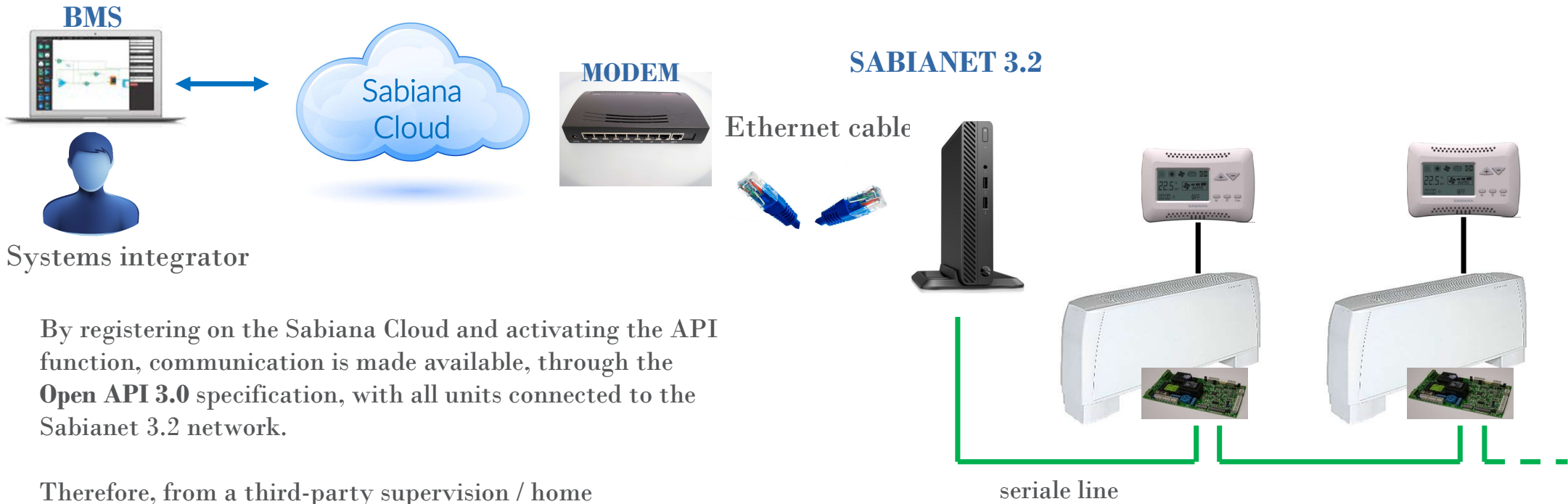


By connecting the Ethernet cable and activating the API function, communication is made available, through the **Open API 3.0** specification, with all the units connected to the Sabianet 3.2 network.

Therefore, from a third-party supervision / home automation system, it is possible to read the status from the units and send commands to the units according to the **Open API 3.0** standard specification.

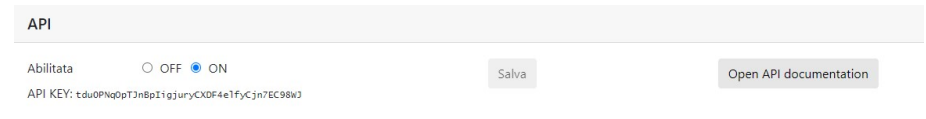


Interoperability with User API



By registering on the Sabiana Cloud and activating the API function, communication is made available, through the **Open API 3.0** specification, with all units connected to the Sabianet 3.2 network.

Therefore, from a third-party supervision / home automation system, it is possible to read the status from the units and send commands to the units according to the **Open API 3.0** standard specification.



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