

FUTURE

Bring next-gen automation control
to homes and commercial buildings

SpaceLogic C-Bus Controllers



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an unprecedented change

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Trends that are shaping the market



Energy efficiency

- Building codes are bringing stringent rules to optimize energy efficiency, thus creating a need for lighting control systems
- The market is expecting sustainable properties that meet 'green building' standards
- With rising energy prices, homeowners are looking for ways to better manage their energy usage and incorporate renewable energy sources into their homes



Productivity and convenience

- Businesses are creating workspaces that are vibrant and productive to attract and retain key talent
- Workspace dynamics focus on the activity-based workplace, hyper-customizable spaces, and amenities
- Homeowners want systems that are fully customizable and can be tailor-fitted to their needs



Seamless integration

- Customers are looking for scalable solutions that can connect products from different vendors into one integrated system
- Building managers want to integrate all control functions (lighting, blinds, HVAC) into one, easy to monitor and use solution
- Homeowners' needs are growing and they want to expand functionalities without having to renovate their homes



Flexible solutions that fit different needs

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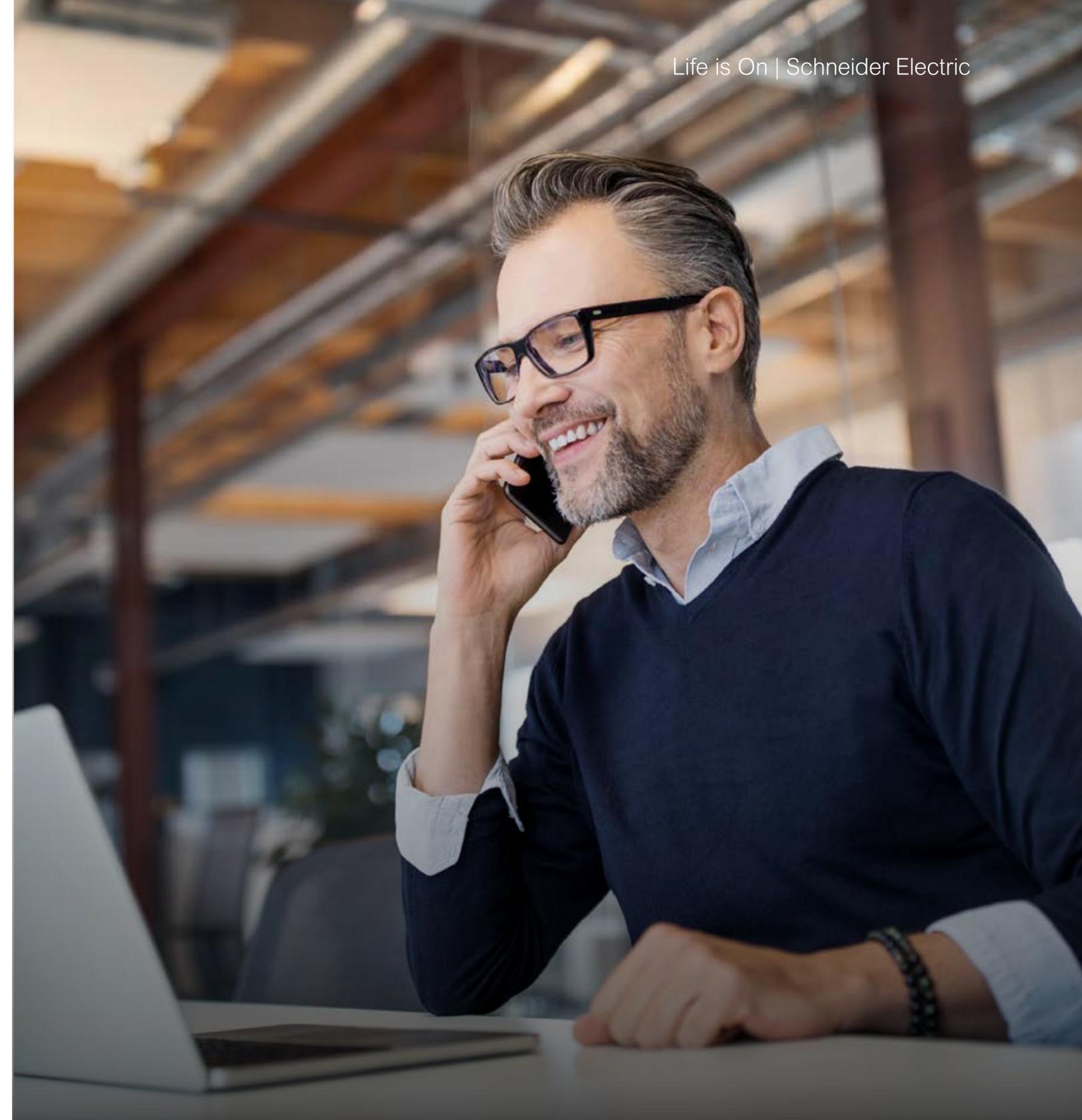
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Introducing SpaceLogic C-Bus powered by EcoStruxure

SpaceLogic C-Bus is Schneider Electric's home and building automation system. Together with the EcoStruxure™ Building IoT-enabled platform and a broad range of connected products, it provides a complete automation solution with:

- Full IoT connectivity that is easy to scale
- Real-time monitoring and remote management
- Faster issue detection
- Simpler product engineering and installation
- Greater productivity and comfort for occupants



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One system, numerous features

The SpaceLogic C-Bus System is a complete solution that provides hassle-free integration, tailor-fit flexibility, and unmatched performance.



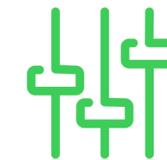
Integration

- SpaceLogic C-Bus is part of the EcoStruxure Building IoT-enabled platform with easy-to-integrate connected products
- Offers complete integration of a building's mechanical and electrical systems
- Provides commissioning tools and mobile apps that simplify and speed up installation



Performance

- Improves energy management with real-time data and reporting
- Reduces maintenance time with IP/Ethernet access
- Automates activities to optimize operations



Customization and flexibility

- It offers hassle-free expansion of the C-Bus solution to interact, monitor, and control smart services in the home
- Adapts the interface to customers' specific needs
- Connects different building control systems



Meet the SpaceLogic C-Bus Controllers – the core of your smart home and building systems

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The heart of the SpaceLogic C-Bus system

Whether you're looking for a state-of-the-art automation system suitable for single homes, multi-residential dwellings, or commercial real estate, the SpaceLogic C-Bus building automation system fits the bill. Highly customizable and scalable, it's the right fit for even the most demanding projects.

At the heart of the SpaceLogic C-Bus building automation system are two advanced controllers: the SpaceLogic C-Bus Network Automation Controller and the SpaceLogic C-Bus Application Controller. They connect with all the C-Bus devices in the system to enable building automation for various components and loads.

These devices are compatible with industry-recognized EcoStruxure Building Operation BACnet IP protocol for seamless integration with EcoStruxure Building Operation and other BMS systems and can also act as Modbus masters for both Modbus RTU and Modbus TCP devices.



Network Automation Controller

Application Controller

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The heart of the SpaceLogic C-Bus system

SpaceLogic C-Bus Network Automation Controller

The SpaceLogic C-Bus Network Automation Controller is suitable for large commercial buildings as well as multi-dwelling apartment complexes. It can communicate with up to 2,000 BACnet IP points, making it a perfect choice for a system requiring DALI exit and emergency lighting functionality when combined with SpaceLogic C-Bus DALI-2 Gateway.



SpaceLogic C-Bus Application Controller

The SpaceLogic C-Bus Application Controller is suitable for homes and small commercial buildings. Capable of connecting with up to 50 BACnet IP points, it's designed to unite the C-Bus home automation solution with common household communication protocols for added functionality. Everything from control for lighting, climate, and entertainment to security monitoring and energy management can be seamlessly and efficiently integrated.

	SpaceLogic C-Bus Network Automation Controller (5500NAC2)	SpaceLogic C-Bus Application Controller (5500AC2)
Objects	4,000	4,000
Modbus	31	10
BACnet points	2,000	50
DALI emergency and exit lighting management	Yes	No

The right fit for commercial real estate

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Advanced automation for commercial buildings

SpaceLogic C-Bus Network Automation Controller

Connect the SpaceLogic C-Bus Network Automation Controller to the C-Bus and Modbus controls to provide building management functions for efficient small, medium, and large buildings.

Interoperable with different systems, the network automation controller links control for lighting, blinds, shutters, heating, and energy monitoring with Schneider Electric PowerTag sensors and DALI emergency and exit lighting (in conjunction with C-Bus DALI-2 Gateway) to EcoStruxure Building management solutions.



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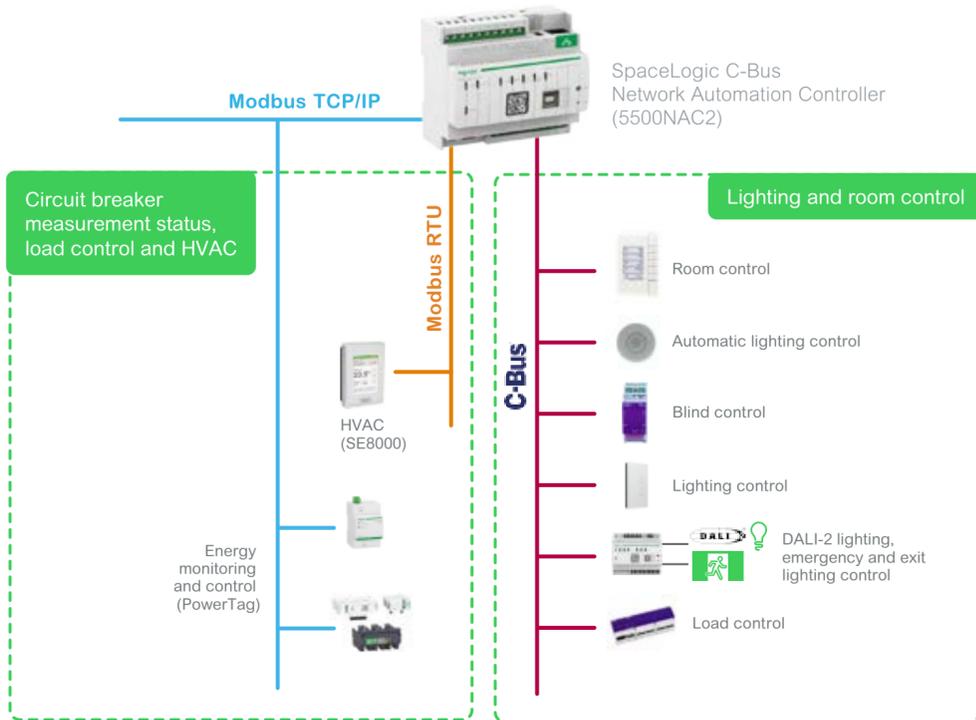
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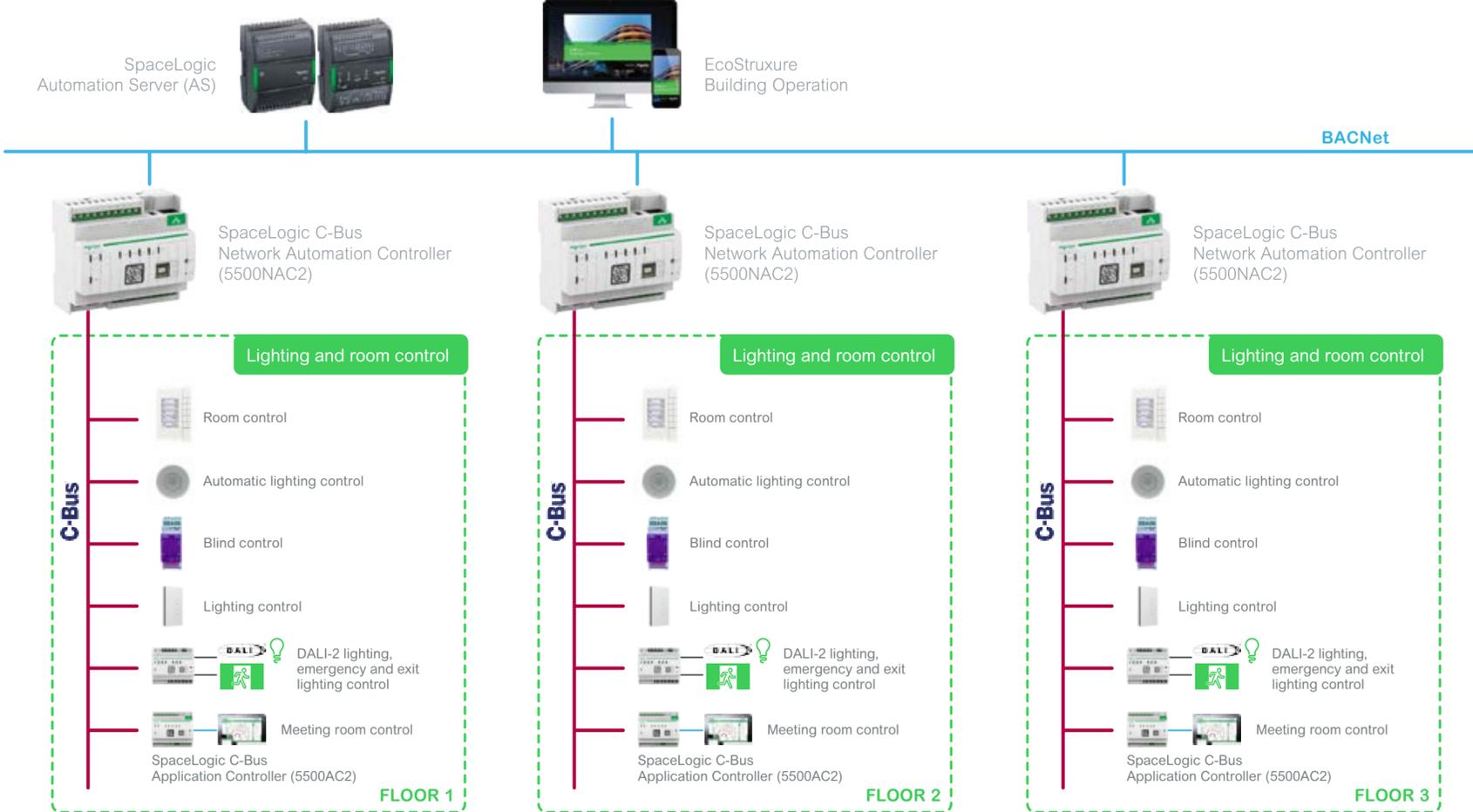


SpaceLogic C-Bus system architecture for commercial buildings

Small and medium commercial buildings



Large commercial buildings



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Building maintenance and management at your fingertips

SpaceLogic C-Bus Network Automation Controller

The SpaceLogic C-Bus Network Automation Controller gives you the ability to maintain and control building functions from a single web-based interface, be it via laptop, tablet, or smartphone. All functions can be tracked from anywhere. Whether the maintenance manager is on-site or not. All settings, whether on floors or in single rooms, can be intuitively controlled and adapted.



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Building maintenance and management at your fingertips

Maintenance information
 The controller's user interface can display all maintenance information (e.g. status or lifetime of monitored lamps). Alarms aid in highlighting malfunctions such as failed lamps, for the maintenance manager's attention. This makes it easier and time-saving to plan, as well as to schedule maintenance work when and where necessary.

Schedules
 Schedules for various building functions can be set using the integrated time scheduler/calendar function.

Energy resource metering at a glance
 Energy resource consumption can be checked and date-recorded on daily, monthly, or yearly schedules. Historical comparison charts or trending data can help identify savings possibilities as well as highlight abnormal consumption patterns.



Maintenance information, energy resource metering, schedules



A wide range of commercial applications

Discover all the SpaceLogic C-Bus applications



State-of-the-art lighting management for enhanced occupant experience.

- Hotel lobbies and reception areas
- Luxury restaurants and bars
- Supermarkets



Enable energy efficiency with integrated lighting control catering for emergency and exit lighting needs.

- Manufacturing plants
- Office spaces
- Educational facilities



Enable energy efficiency with integrated lighting control catering for emergency and exit lighting needs.

- Airports
- Town halls and government buildings
- Conference halls

A total home solution

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A total home solution

SpaceLogic C-Bus Application Controller

The SpaceLogic C-Bus Application Controller connects multiple home control functions, making integration with home systems simple and easy.

Homeowners can take the control of their home wherever they are and manage lights, shutters, temperature, security, and energy usage. Local and remote access via PC, smartphone, and tablet allows consistent control and immediate action.



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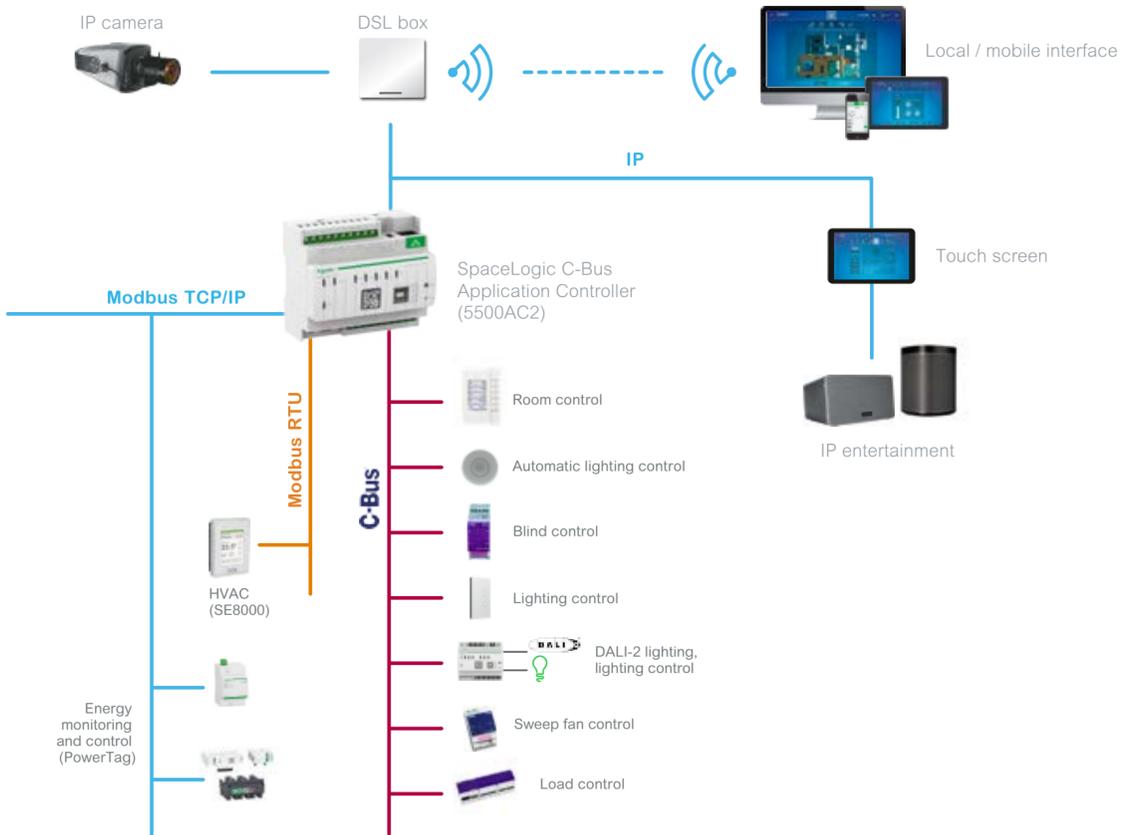
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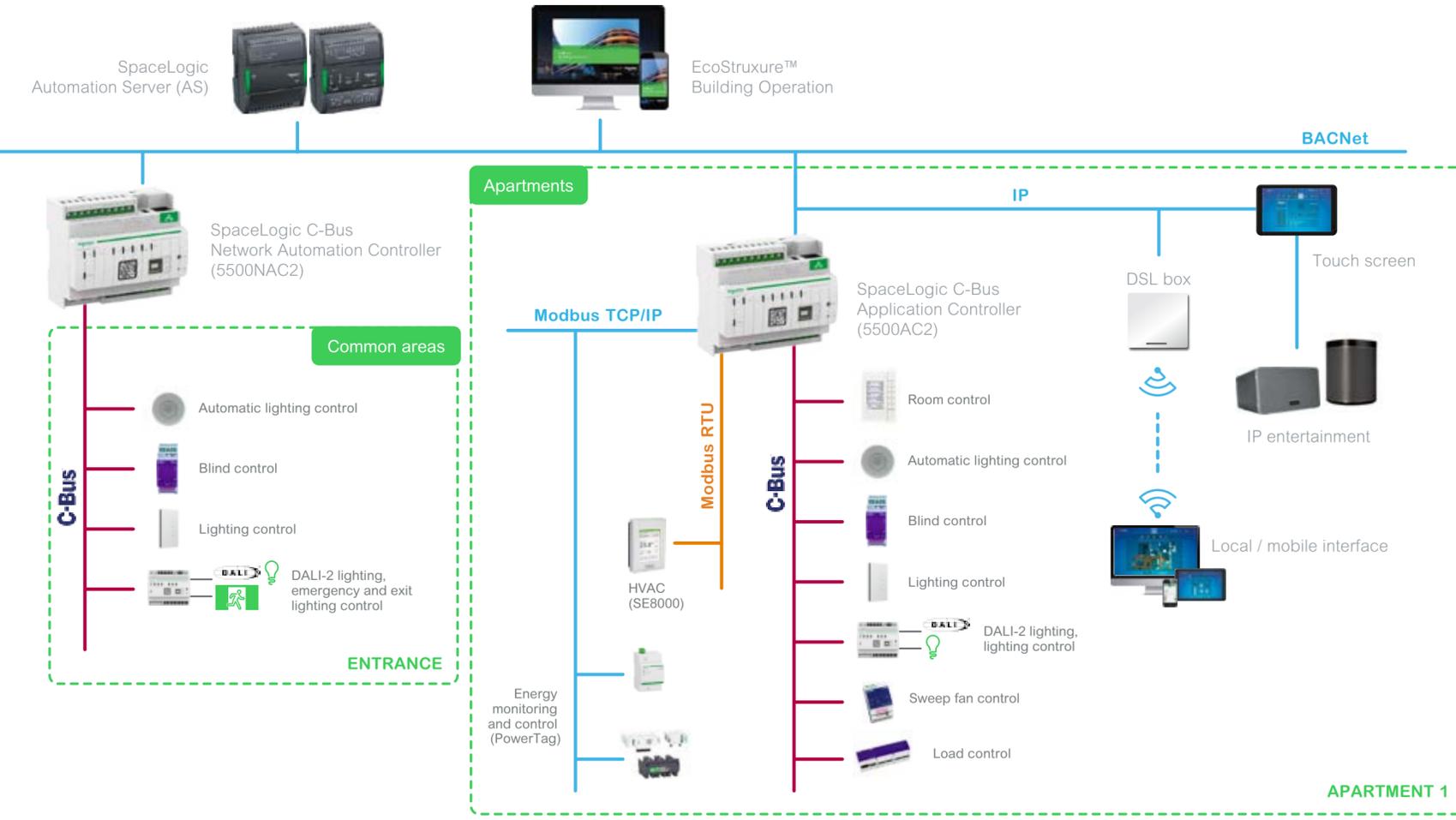


SpaceLogic C-Bus system architecture for residential buildings

Single dwelling residential buildings



Multi-dwelling residential buildings



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Home control made easy

SpaceLogic C-Bus Application Controller

The SpaceLogic C-Bus Application Controller provides a complete way to control all of the home's functions.

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All information visible on one dashboard
All home automation and control functions can be controlled and managed via one interface.
- 

Mobile access
Thanks to a web-based interface, all home functions can be monitored and controlled via laptop, tablet, and smartphone. Functions can be tracked from anywhere, at home or remotely. The system also sends notifications if anything is amiss.
- 

Energy resource metering at a glance
Energy resource consumption can be monitored and date-recorded on a daily, monthly, and yearly basis. Comparison charts with historical data help identify potential savings and show abnormal consumption.



Energy resource metering: monitor energy resource consumptions to identify potential savings

Home control made easy (cont'd.)

SpaceLogic C-Bus Application Controller

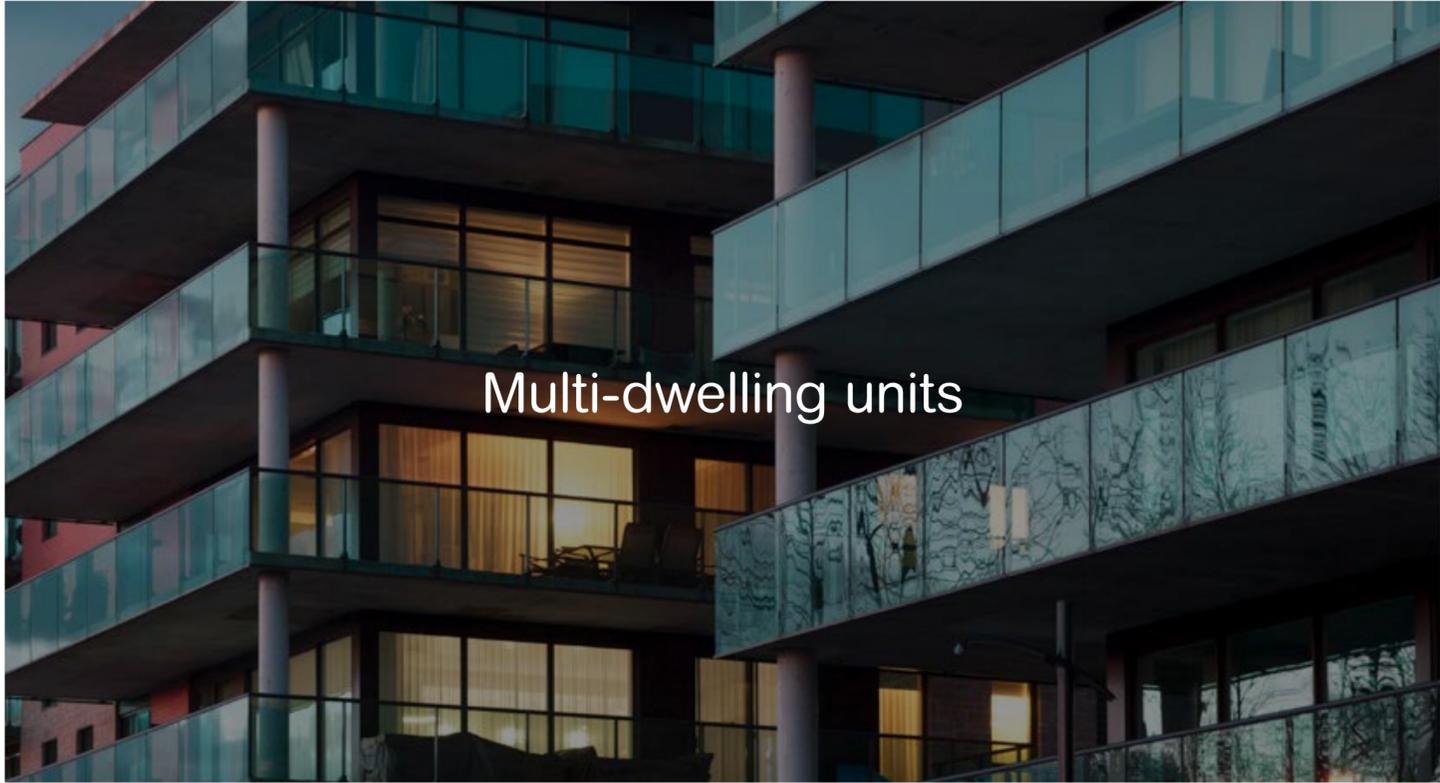
-  **Moments**
Create the perfect ambiance for every moment (watching a movie, family dinner). Homeowners can easily program their preferences to get the house ready in one click: lights, temperature, shutters, music.
-  **Schedules**
Schedules for various home control functions can be set via the integrated time scheduler/calendar function.
-  **Insight and intuitive operation**
All settings, whether on individual floors or in single rooms, can intuitively be controlled and adapted.



Full control: Easily adjust lights, blinds, heating, and other functions
Scheduling: Time-controlled functions on a daily, monthly, and yearly basis

Residential applications

Bring energy efficiency, seamless integration, and advanced customization to every home, big or small.



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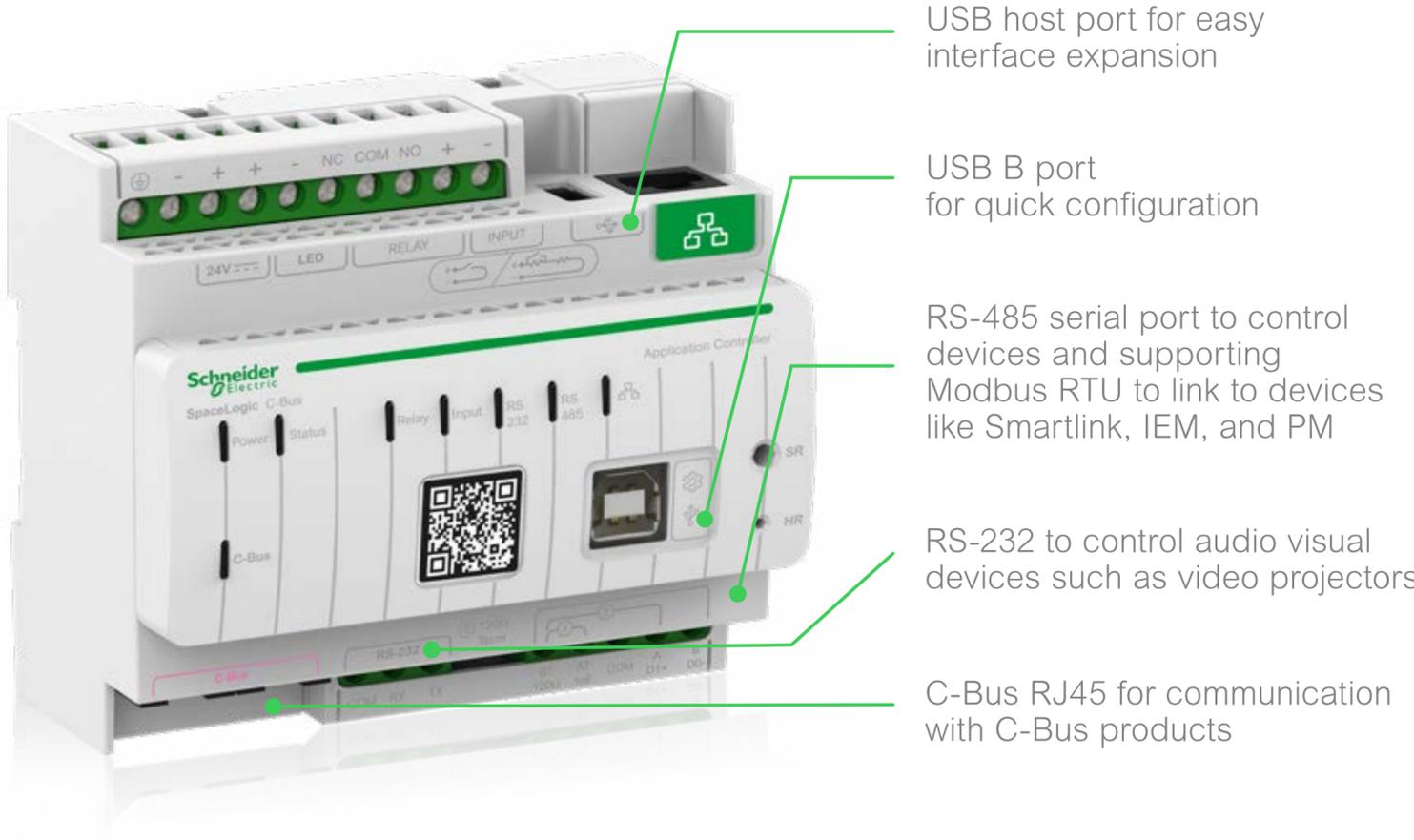


Compact and interoperable

SpaceLogic C-Bus controllers are interoperable and can be easily connected with other building automation systems via BACnet IP.

With a standard DIN mounting design, they are compact and mount easily within a standard power distribution board on standard DIN rail or in smaller DIN mounting power enclosures. Thanks to simple connectivity to C-Bus via standard RJ45 sockets, they can be pre-programmed before going to the site via the front-facing USB connection, which saves time and effort when commissioning.

Ready to communicate with multiple protocols:



USB host port for easy interface expansion

USB B port for quick configuration

RS-485 serial port to control devices and supporting Modbus RTU to link to devices like Smartlink, IEM, and PM

RS-232 to control audio visual devices such as video projectors

C-Bus RJ45 for communication with C-Bus products

Easy to scale and configure

Depending on your needs, you can use the web-based configurator to choose between basic and advanced programming, which is supported by both controllers. Configuration is fast and simple and you can scale and re-use existing setups.

Simplicity in basic mode

- Create and process multi-level visualizations in a few quick steps by simply uploading background image files and adding objects
- Choose from a selection of icons and templates for all control devices – or easily create your own library with a one-click import
- Plan schedules easily, either integrated into a page or directly in schedulers view, program an event, and modify values

- Create trend logs seamlessly, integrate them into a page or directly display them in trends view
- Design scenes easily, setting a comfortable ambiance in the home for entertaining, or just the convenience of shutting everything off when going out
- Provide simple control over multiple devices in a single action or event for commercial buildings
- Integrate the BACnet point in few clicks
- Directly display events and status of individual devices into the aggregated status of floor or building

- Integrate PowerTag for energy monitoring and other Modbus devices over the Modbus interfaces

Complete functions in advanced mode

- Execute event-based scripts when a group event occurs on the Bus, used when a real-time response is required
- Run scheduled scripts at the required time and day. Used for various security systems and presence simulations
- Lua-based scripting solution for enabling advanced and custom logic scripts that can be conveniently organized into modules that are persistent, scheduled, or event-based



One interface, many functions

Clear, structured views of all functions, scenes, settings, and values – in a single interface with interactive floor plans for intuitive orientation and convenient operation.

Convenient local or mobile control

The controller interface can be displayed on all IP-connected devices, local or mobile, and is optimized for each device.

Your customers can monitor and control all home or building functions locally or remotely. A web-based server application allows them to connect at any time. All they need is an internet connection configured for remote access* and a mobile device.

Full interface customization

The controller offers a user interface, which can be fully customized enabling end users to create their own designs or embed company branding into the projects. The entire UI or its single elements can be easily changed as required.



Tailor-made interface: standard and customized view

* For remote connections you may require a static IP address / VPN connection / or 3rd party DDNS service.



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Discover new business opportunities

Become a certified EcoXpert to find new customers and offer trusted, validated Schneider Electric solutions or get peace of mind by hiring the top experts in the industry.

EcoXpert partners are renowned for delivering best-in-class integrated building automation, reliable power management, and connected home technology.

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Life Is On



To learn more about **SpaceLogic C-Bus**, visit:

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