

HBC-100 Network Smart Home Control Gateway



Introduction

The HBC-100 is a smart home control gateway. It can connect both *wired* and *wireless* peripheral devices for controlling light, window curtain, air-conditioner, audio/video, sensor, scenario, etc. Multiple ways like portable remote, iPhone/iPad/Android App, or HomeScenario touch panel can be deployed to control your house. The HBC-100 is designed to work with HomeScenario IP Intercom system for condominium projects with central management server, so as to provide integrated security and smart home service. Also via HomeScenario AIoT Cloud Platform, the HBC-100 can update its status on real-time base and user can control from anywhere.

Features

- Can expand RS-485 for *wired* smart home control
- Also supports Z-Wave 2-way mesh networking, RF range up to 30m indoors
- Provides digital input/output connections
- Controls various home systems, e.g. light switch, thermostat, door access, window shades, security monitoring, A/V equipment, as well as scenarios
- Controls via iPhone/iPad/Android/intercom touch panel
- Always updates system status and allows controlling from anywhere via HomeScenario AIoT Cloud Platform
- Works with central management server for large scale deployment with HomeScenario Smart Building System

Technical Spec

Interfaces:

- LAN 10/100Mbps
- Digital Input 4x digital inputs, terminal blocks
- Digital Output 1x digital output, terminal block, for wired alarm
- Serial RS-485 1-way
- Serial USB
- Program Button For device program/association and factory reset
- Antenna Z-Wave
- Power 9-24VDC

RF Communication:

- Protocol Z-Wave 2-way RF mesh network
- Frequency 865-930MHz
- Range 30m indoor line of sight, no obstructive

LED Display:

- Power Device on/off (power on: solid, power off: off)
- Service Portal connection (registered: on, not registered: off)
- Mode Security mode (Arm/Home: on, Disarm: off)
- Alarm Alarm trigger (alarm trigger: on, solved by disarm: off)
- Wifi Wifi connection (link: on, send: blink)
- Link Network connection

Environmental Conditions:

- Operational 0°C to 45°C
- Storage -20°C to 60°C
- Humidity 10% to 85% Non-Condensing
- Protection Indoor

Dimensions & Weight:

- Dimension (WxLxH) 137mm x 91mm x 25mm
- Weight 200g

Ordering Information

HBC-100	Network Smart Home Control Gateway
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About HomeScenario

HomeScenario, Inc. offers cloud-enabled Smart Building including Alarm & Access Control, IP Intercom, Video Surveillance, Home Automation, Audio/Video, and Energy Management. Integrating technologies of wireless control and broadband networking, the HomeScenario solutions make comfort, convenience, safety, security, and eco-friendliness available without the need of extensive and costly remodeling. Our products are designed to work seamlessly with systems such as lighting, thermostat, door access, window shades, security monitoring, audio/video, and more. All of them can be controlled easily through remote, touch screen, PC, or smart phone.

Please visit www.homescenario.com for more product information.