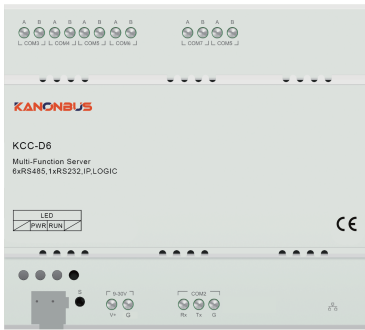


# KCC-Dx Multifunctional Host User Manual

## KCC-D1/D3/D6



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## Safety instructions

- Before installation, please read user manual carefully and observe relevant standards, directives, regulations and instructions.
- Electrical equipment must be installed and programmed by qualified technicians only.
- This device is manufactured according to the relevant technical specifications and have CE.
- For more information of this product, please contact the technical engineer of manufacturer.
- Users are not permitted to alter and maintain the product without the authorization of manufacturer.
- Failure to observe the instructions may cause damage to the device and result in fire or other hazards.

## Product Overview

The KCC-D series host gateways adopt the rail-mounted installation method. They are equipped with rich hardware interfaces and possess powerful computing and processing capabilities. With industrial-grade chips and design, they are stable and reliable. They can integrate and mutually convert various popular communication protocols (such as various communication protocols based on RS485 and RS232, TCP/IP, UDP protocols, BACnet/IP protocol, Modbus RTU/TCP, etc.), and can be upgraded, customized and expanded according to actual needs to achieve truly intelligent solutions. The KCC-D series multifunctional hosts include 1 reusable RJ45 interface, 1 RS232 interface and multiple RS485 interfaces, which can meet the integration function requirements of most projects. Users can select different products according to the applications of actual projects.

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## Product Features

- It can simultaneously integrate and connect multiple systems/devices through the serial port or network.
- It has multiple independent serial communication interfaces for selection.
- The docking protocols support standard Modbus RTU/TCP, BACnet/IP, customized RS232/RS485, TCP/IP, or UDP, etc.
- It can integrate and control devices such as background music systems and home theaters.
- It can be integrated with conference/central control systems, Building Automation (BA) systems, and Building Management Systems (BMS).
- It can be integrated with environmental systems such as central air conditioners, underfloor heating systems, and fresh air systems.
- It can be integrated with security alarm systems and access control systems.
- Built-in logic function/timing function.
- Support for remote debugging and configuration.
- Support for voice control.
- Built-in visual APP.
- With a filter table function.
- APP remote control.
- Suitable for iOS/Android/Windows and other systems.

## Product Configuration

- 1) This product adopts the web page programming method. Please use browsers that are not based on the IE kernel for function configuration, such as Firefox, Chrome, etc.
- 2) Login address: 192.168.1.232
- 3) Username: admin
- 4) Password: 123

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## Product Selection

|           | Product model                              | KCC-Dx |    |    |
|-----------|--|--------|----|----|
|           |  | D1     | D3 | D6 |
| interface | RJ45                                       | 1      | 1  | 1  |
|           | RS232                                      | 1      | 1  | 1  |
|           | RS485                                      | 1      | 3  | 6  |
| function  | Cloud-to-Cloud Voice Docking               | ✓      | ✓  | ✓  |
|           | Standard protocol                          | ✓      | ✓  | ✓  |
|           | Proprietary protocol                       | ✓      | ✓  | ✓  |
|           | BACnet/IP                                  | ✓      | ✓  | ✓  |
|           | Remote function                            | ✓      | ✓  | ✓  |
|           | Logical/Timing function                    | ✓      | ✓  | ✓  |
|           | iOS/Android/Windows Visualization Software | ✓      | ✓  | ✓  |

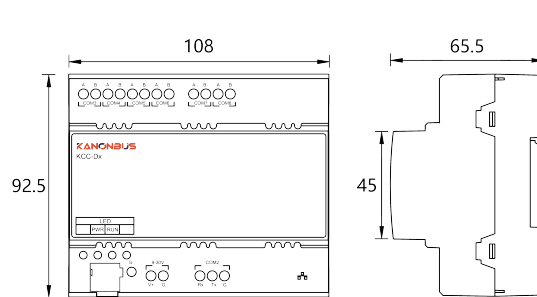
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## Product parameters

| Parameter                  | Types | KCC-D1/D3/D6                     |
|----------------------------|-------|----------------------------------|
| <b>Product Info</b>        |       |                                  |
| Dimensions (WxHxT)         |       | 108mm×92.5mm×65.5mm              |
| Power Supply               |       | 9V~30V DC                        |
| Rated power                |       | 3W                               |
| Type of protection         |       | IP20                             |
| Operation                  |       | 0°C~70°C                         |
| Storage                    |       | -25°C~70°C                       |
| Installation method        |       | Rail-mounted installation        |
| <b>LED indicator light</b> |       |                                  |
| PWR                        |       | Power indicator light, yellow    |
| RUN                        |       | Operating indicator light, green |

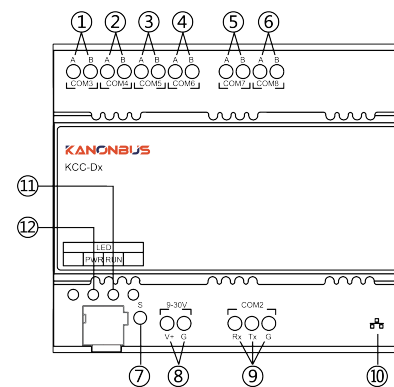
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## Product dimensions



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## Operating instructions



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## Operating instructions

- 1) COM3: RS485 terminal block (for the entire KCC-Dx series)
- 2) COM4: RS485 terminal block (for KCC-D3/D6)
- 3) COM5: RS485 terminal block (for KCC-D3/D6)
- 4) COM6: RS485 terminal block (for KCC-D6)
- 5) COM7: RS485 terminal block (for KCC-D6)
- 6) COM8: RS485 terminal block (for KCC-D6)
- 7) Reset button: Press and hold this button for 6 seconds. When the RUN indicator light flashes rapidly and then returns to being constantly on, the device will be restored to the factory settings (host IP network parameters, serial port settings, and startup mode).
- 8) Auxiliary power supply input terminal block: Use a 9V-30V DC power supply. V+ is the positive pole and G is the negative pole.
- 9) COM2: RS232 terminal block (for the entire KCC-Dx series)
- 10) RJ45 network interface
- 11) RUN indicator light: After powering on, it stays green and constantly on. When sending and receiving data, the green light flashes rapidly.
- 12) PWR indicator light: After powering on, it stays yellow and constantly on.

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