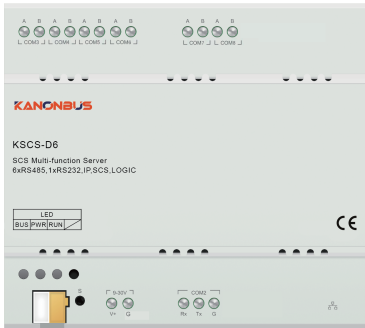


# KSCS-Dx Multifunctional Host

## User Manual

### KSCS-D1/D3/D6



1

## 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 KSCS-D series multifunctional hosts adopt the rail-mounted installation method. They are equipped with rich hardware interfaces and possess powerful operation and processing capabilities. Employing industrial-grade chips and designs, they are stable and reliable. They can integrate and mutually convert various popular communication protocols (such as SCS, various communication protocols based on RS485 and RS232, TCP/IP, UDP protocol, BACnet/IP protocol, Modbus RTU/TCP, etc.), and can be upgraded, customized and expanded according to actual needs to achieve a truly intelligent solution.

The KSCS-D series multifunctional hosts include 1 SCS interface, 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.

2

## Product Features

- The SCS system can be integrated and docked with multiple systems/ devices simultaneously through a serial port or the network.
- It has multiple independent serial communication interfaces for selection.
- The docking protocols support SCS, standard Modbus RTU/TCP, BACnet/IP, custom 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, BA (Building Automation), and BMS (Building Management System).
- 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.
- It has built-in logic functions and timing functions.
- It supports remote debugging and configuration.
- It supports voice control.
- It has a built-in visual APP.
- It has a filter table function.
- It supports APP remote control.
- It is applicable to systems such as iOS, Android, and Windows.

## 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

3

## Product Selection

Product model		KSCS-Dx		
		D1	D3	D6
interface	SCS	1	1	1
	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	✓	✓	✓

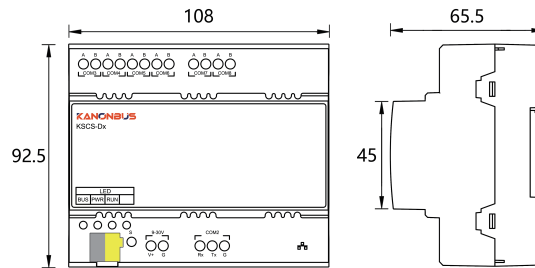
4

## Product parameters

Parameter	Types	KSCS-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>		
BUS		SCS bus indicator light, red
PWR		Power indicator light, yellow
RUN		Operating indicator light, green

5

## Product dimensions



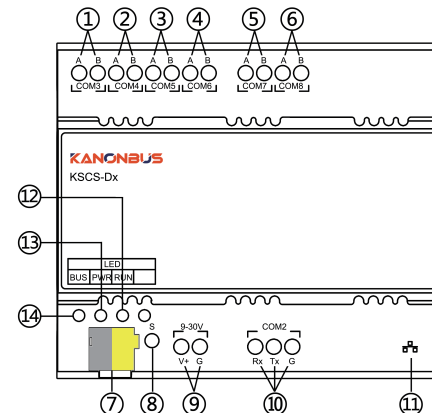
## Function Description

Corresponding Rules of SCS Group Address							
Object Category	switch	brightness	curtain	scene	ordinary button	Scene input	thermostat <sup>2</sup>
Data Type	1bit	1byte	1bit	1byte	1bit	1byte	
Control Group Address <sup>1</sup>							host→SCS
	1/0/x	3/0/x	2/0/x	0/0/x	25/0/x		14/-/-
Status Group Address							SCS→host
	1/4/x	3/4/x	2/4/x	0/4/x	25/4/x	25/4/x	15/-/-

Note 1: x = A \* 16 + PL  
 Note 2: The numerical range of the SCS thermostat is 0 to 63. Refer to the corresponding rules of the "KAC group address".

6

## Operating instructions



7

## Operating instructions

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

8

Shanghai Kanontec Electronic Technology Co., Ltd  
 Room 501, Building 12B, No.1288, Luoning Road  
 Baoshan District, Shanghai  
<http://www.kanontec.com>  
 E: support@kanontec.com  
 T: +86-21-56468387