Appearance



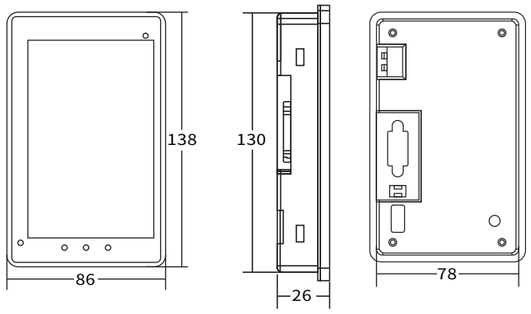


Features

Project	Content
powered by	Wide input DC10-30V
Backlight adjustment	Support
Touch screen	4-wire resistive touch screen
LCD screen resolution	480×272
CPU	32-bit 600MHz ARM9
USB1	Micro USB, download port
USB2	TYPE-A, U disk port
LCD screen	Normal viewing angle, 300cd/m²
COM1 communication	RS422RS232/RS485 communication (choose one out of three)
COM2 communication	RS232/RS485 communication (optional)
Storage	128Mbyte SPI NAND FLASH
Power supply	Anti-reverse connection, distinguish the positive and negative poles of the power supply.
RTC clock	Support
Power-off data saving	Support
Download	SD card, USB download, U disk

Product Size

Product number	Overall size	Hole Size
KD043W01RGA	138mm×86mm×26mm	130mm×78mm



Product number

Model	Specifications
KD043W01RGA	Full viewing angle LCD screen, 485,422,232 standard DB9 communication ports, support U disk download and data export

Appearance



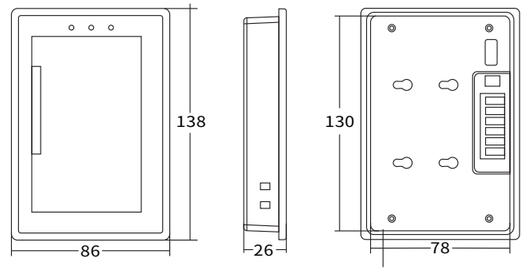


Features

Project	Content
powered by	Wide input DC10-30V
Backlight adjustment	Support
Touch screen	4-wire resistive touch screen
LCD screen resolution	480×272
CPU	32-bit 600MHz ARM9
USB1	TYPE-A, U disk port
LCD screen	Normal viewing angle, 300cd/m²
COM1 communication	RS232/RS485 communication (choose one of two)
Storage	W01RPG : l128Mbyte SPI Nand FLASH, Resistive Touch W02RPG : 16Mbyte SPI Nor FLASH, resistive touch
Power supply	Anti-reverse connection, distinguish the positive and negative poles of the power supply.
RTC clock	Support
Power-off data saving	KD043W01RPG support KD043W02RPG does not support
Download	SD card, USB download
Terminals	6-position 3.5mm plug-in terminal block

Product Size

Product number	Overall size	Hole Size
KD043W01RPGA	138mm×86mm×26mm	130mm×78mm
KD043W01RPGE		



Product number

Model	Specifications
KD043W01RPGA (6P terminal)	Ordinary screen, 6P terminal module power communication port, support 485,232 communication
KD043W01RPGE (6P terminal)	Ordinary screen, 6P terminal module power communication port, 485 and 232 can only support one

Appearance



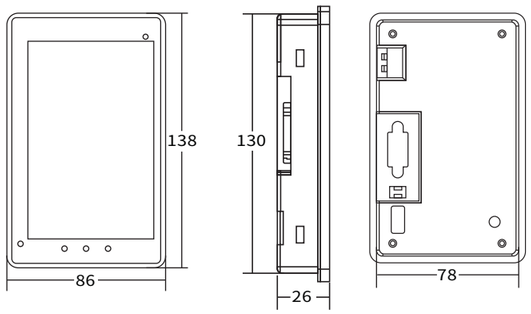


Features

Project	Content
powered by	Wide input DC10-30V
Backlight adjustment	Support
Touch screen	4-wire resistive touch screen
LCD screen resolution	480×272
CPU	32-bit 600MHz ARM9
USB1	Micro USB, download port
LCD screen	Normal viewing angle, 300cd/m²
COM1 communication	RS232/RS485/422 communication (choose one out of three)
Storage	16Mbyte SPI Nor FLASH , resistive touch
Power supply	Anti-reverse connection, distinguish the positive and negative poles of the power supply
RTC clock	Support
Power-off data saving	Not support
Download	SD card, USB download
Terminals	3P 5.08mm plug-in terminal block

Product Size

Product number	Overall size	Hole Size
KD043W02RDG	138mm×86mm×26mm	130mm×78mm



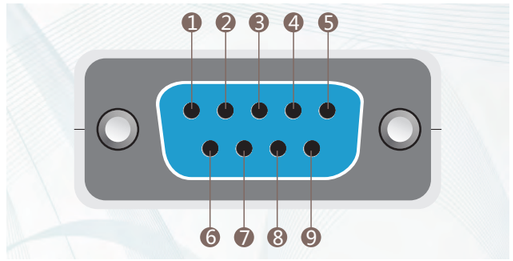
Product number

Model	Specifications
KD043W02RDG	Full-view LCD screen, one channel 485, 422, 232 standard DB9 communication port, the second channel 485 communication, support U disk download and data export

Parameter

	Item	Content
	Model	KD043W01RGA，KD043W01RPGA，KD043W01RPGE，KD043W02RDG
Hardware performance	Display screen	4.3” TFT LCD
	Resolution（Px）	480×272
	Color	260,000
	Brightness	400 cd/㎡
	Back light	LED
	LED lifetime	20000 hours
	touch screen	4-wire industrial electronic touch screen (surface hardness 4H), support capacitive touch screen
	CPU	32-bit600MHz ARM9
	Memory	128MB SLC FLASH
	RTC	Built-in real-time clock
	Ethernet	No
	Power-down data saving	Support
	USB port	See P1~P3 for details
	Program download method	See P1~P3 for details
	U Disk	Support
	Communication port	See P1~P3 for details
Electrical Specifications	Rated power	< 2.5W
	Rated voltage	DC 24V，±15%
	Power protection	With +/-2KV lightning surge protection capability
	Allow power loss	< 5mS
	CE&ROHS	Comply with EN61000-6-2:2005, EN61000-6-4:2007 standards
		Lightning surge +/-2KV, group pulse +/-4KV; electrostatic contact discharge +/-8KV; electrostatic air discharge +/-15KV
Environmental specifications	Operating temperature	-20～50°C
	Storage temperature	-40～70°C
	Environment humidity	10～90%RH(No condensation)
	Shock resistance	10-25Hz(X, Y, Z direction, 2g/30 minutes)
	Cooling method	Natural air cooling
Other parameters	Overall size	138MM×86MM×26MM
	Hole Size	130MM×78MM
	Net weight	220g

Port definition



Pin	Definition	COM1、RS422	COM1、RS485
1	TX2-		
2	RTD		
3	TXD		
4	TX2+		
5	SG	Signal ground	
6	RX1-	RS422 Receive-	
7	RX1+	RS422 Receive+	
8	TX1-	Rs422 Send-	RS485B(-)
9	TX1+	Rs422 Receive+	RS485A(+)
Applicable model	SUP043S series,SUF070 series, single serial port only COM1, dual serial port has COM1 and com2		

Pin	Definition	COM1、RS232	COM2、RS485
1	TX2-		RS485B(-)
2	RTD	RS232 Receive	
3	TXD	Rs232 Send	
4	TX2+		RS485A(+)
5	SG	Signal ground	
6	RX1-		
7	RX1+		
8	TX1-		
9	TX1+		
Applicable model	SUP043S series,SUF070 series, single serial port only COM1, dual serial port has COM1 and com2		

Upper configuration software description

The upper configuration software is a set of upper software that the customer can edit arbitrarily, and the customer's application. The application programs are all developed based on the upper software. The upper software is composed of a wealth of controls, which can be combined in any combination to achieve the functions desired by the customer. The controls include:

- Switch button: including "bit button", "word button", "indicator", "screen button", "function button" and "multi-state button" for touch operation of connected equipment and monitoring status;
- Numerical value input and display: including multiple hexadecimal input and display, ASCII code input and display, used to display the value of the monitored address; another time display, used to display real-time time;
- Flow block: animated graphics that simulate the flow of liquid in the pipeline.Static text/table/scale, a variety of basic graphics, including straight lines, circles, ellipses, rectangles, etc;
- Picture display and gif animation: a picture display box that displays one or more pictures;
- Meter: bar graph, meter, circle, display a certain state value of the data.Message display: display the pre-set message;
- Alarm display: Display the alarm information (divided into digital alarm and analog alarm) of the current equipment. The alarm setting must be configured before using this control;
- Dynamic alarm: used to display the current alarm, which is different from the alarm control in that the dynamic alarm bar displays the current alarm content in the form of text scrolling;
- XY curve: display the data of the data collector dynami- cally in real time;
- Historical curve: display the data saved by the historical record collector in the form of a curve;
- Formula: create a menu similar to prescriptions;
- Multi-function button: a switch button, through which various functional requirements can be easily and quickly achieved;
- Trend chart: Draw the reference curve of multiple data, accurately and intuitively trend chart: Draw the reference curve of multiple data, accurately and intuitively judge the change trend of a certain value over a period of time;
- Drop-down box: used to select the corresponding status function.Data group: display the data changes from register address N to register address N in a curve way.Moving track: Drag the scroll block to control the address data;
- Two-dimensional code: dynamically generate a two-dimensional code, scan to enter the website, payment and other functions.

The extended functions of the upper computer configuration software:

- Macro: C language programming to realize various complex logic or functions;
- PLC control: control HMI through PLC;
- Support multiple languages;
- Data collection: data collection can be performed on temperature, pressure, humidity, etc.;
- Data transmission: refers to the data transmission on the same type of address, the transmission mode can be periodic (transmit every few seconds), or it can be triggered;
- HMI protection: It is set that the HMI can be used normally within a certain period of time. If the time exceeds the time specified by the user, the HMI will jump to the specified screen previously set by the user, and the user will be in the specified screen Only place the "panel protection unlock button" below the function button;
- File protection: Do you need to enter a password to verify the opening when opening the project;
- User password level: set user authority and password, enter the corresponding authority, you need to enter the corresponding password;
- Boot screen: users can customize the boot logo screen;
- Offline simulation: Before compiling and downloading the screen to the HMI device, you can use the offline simulation function that comes with KinsSealStudio to check the correctness and effect display of the configuration screen;
- Support a variety of controller communication protocols, adapt to various PLCs, inverters, servo controllers, single-chip control systems, etc. (Mitsubishi, Panasonic, Omron, Delta, Xinje, FATEK, Siemens, Keyence, LG , And other major PLC) users only need to directly select and call on the software when operating;
- Support custom adding gallery; users can intercept their favorite pictures and load them into the custom gallery for calling according to their needs;
- Support Chinese and English keyboard input, users can switch freely;
- Rich gallery, support Png, Jpg, Gif, Bmp and other formats of pictures, vector gallery, free zoom without aliasing;
- Support the baud rate range of 1200-230400.