

# 24 channel RS-485HUB

## Operation Manual

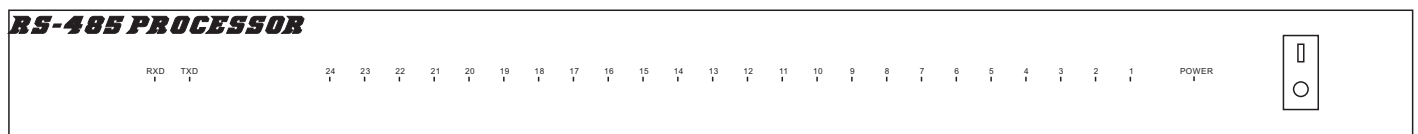
### 1. Product overviews :

24 channel rs485hub is an internal pair of microprocessor, continuous work designed to solve complex as a bio-energy field environment rs -485 a system for the design of the rs -485 bus split the hub. the product support for the transmission rate highest 115. 2kbps data communications, to ensure the safe, rs isolation -485 interface by photovoltaic technology to prevent the waves into converters and equipment, the built-in photoelectric separator and 1500w the waves, the protection circuit, Can provide 2500v isolation voltage, can effectively restrain electrostatic discharge of lightning and the same time, they can effectively prevent and a total of course, the supply of a switch power supply of safe and reliable, and very suitable for an application in engineering.

Built-in intelligence data flows, the microprocessor distinction circuit can automatically perception data flow direction, and automatically switches to control circuit, easy to solve the rs -485 complex issue. when latency rs -485 interface than 3000 meters at a distance, performance and stability. for the charge system, road supervisory system and electricity collection system is a performance excellence safe and reliable data interface the product.

24 channel rs -485 hub with a star rs -485 bus connects. ports are having a short circuit protection and display and isolation 2500v, users can improve the structure, rs -485 separate segments to improve communications reliability. when or equipment failure as a result, the segment will be taken to ensure the normal work of other segments. the performance of the existing network rs -485, effectively closed the network maintenance. Reasonable use 4 channel rs -485 hub can help you to design own reliability, rs -485 system.

### 2. Connection Diagram



#### Front: The sketch map

24 channel rs -485 hub the top of the panel was indicating the following :

power, the instructions, normally in red are very bright indeed

txd — data receive instruction, normally in for yellow

rxd — data is sent instructions, normally in for yellow

ch1 ch24— to communicate to normal when the green sparkle when communication

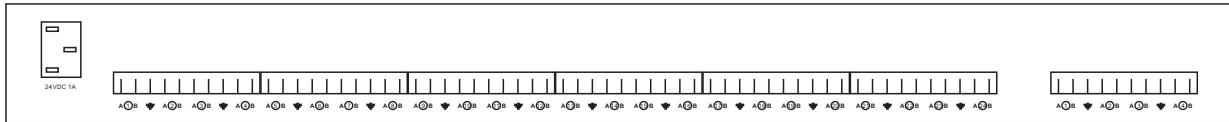
problems are very bright indeed for the red

ch1 corresponding : A ① B

ch2 corresponding : A ② B

ch24 corresponding : A ②④ B

Users to display equipment status indicator lights to work.



## Back: The sketch map

### Power interface



Access standard:  
INPUT : 24VDC 1A

### 1-6# Interface Sketch:

1 Channel: A①B    5 Channel: A⑤B    9 Channel: A⑨B  
2 Channel: A②B    6 Channel: A⑥B    10 Channel: A⑩B  
3 Channel: A③B    7 Channel: A⑦B    ⋮  
4 Channel: A④B    8 Channel: A⑧B    24 Channel: A⑳B

10PIN Connection	definition
A①B	1 channel
A②B	2 channel
A③B	3 channel
A④B	4 channel
⏏	GND

### 5# Interface Sketch:

1 Channel: A①B    3 Channel: A③B  
2 Channel: A②B    4 Channel: A④B

10PIN Connection	definition
A①B	1 channel
A②B	2 channel
A③B	3 channel
A④B	4 channel
⏏	GND

## 3.24 channel rs485hub General application

