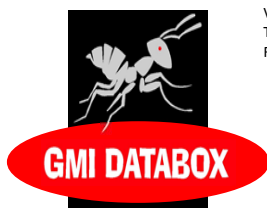


Distribué par **GMI-Databox**



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USB8485I Series

User manual

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【Summarize】

USB8485I is a kind of USB to 8 port RS485/422 converter, the USB8485I can let PC or work station's USB port connect 8pcs

RS-485 or RS-422 comfortable. USB8485I provides four RS-485/422 serial ports, is compliant with USB 1.1 and 2.0 specifications, and meet the 480Mbps high-speed requirement of Hi-Speed USB 2.0. Using your computer's USB ports to connect serial devices reduces the total cost of ownership, investment in hardware, and long term management and integration costs.

【Packing List】

The first time use this product, please check the packaging is intact or not and the attachment is complete or not at first

- USB8485I or USB8485I-P (100/240VAC) x1
- AM type USB to BM type USB cable x1
- 9V/0.5A power adapter x1 or AC power cable x1
- User manual x1
- CD x1
- Certificate x1
- Warranty card x1

If you find that the device is damaged or any parts of it is missing during transportation, please notify the Company or the Company's distributor, we will give you proper solution as soon as possible.

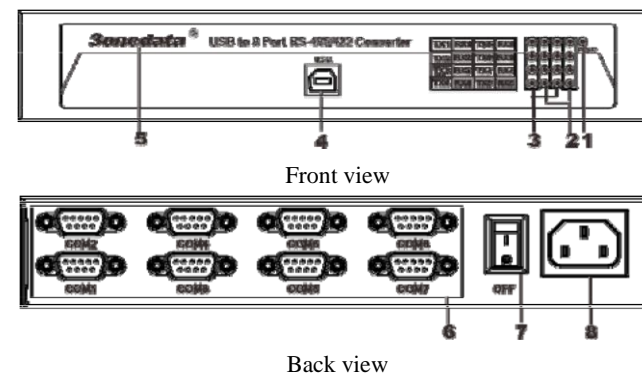
【Features】

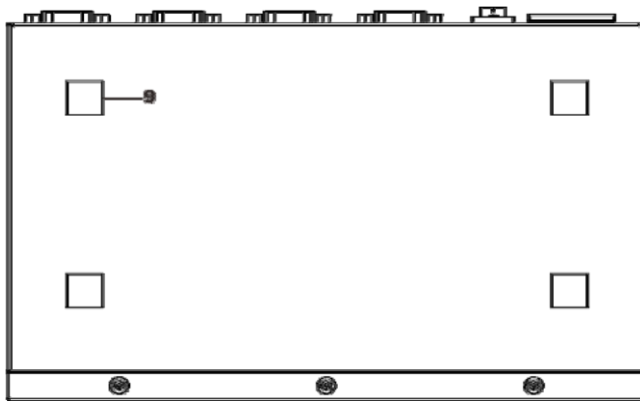
- Use USB extend 8 port RS485/422 ports
- CPU occupancy rate very low, high performance
- One RS-485/422 can establish at most 32 nodes

- RS-485/422 side transfer distance 1200m
- RS485/422 support 2KVAC isolation
- Detect serial speed automatic, Speed: 300~115200bps
- Industrial design, IP30 protection grade
- No fan, low consumption design
- Storage temperature: -40°C~85°C;
- Relative humidity:5%-95%

【Panel design】

USB8485I-P (100/240VAC) :

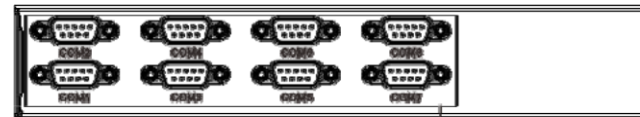
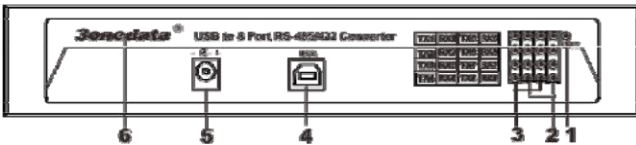




Bottom view

- 1.Power LED indicator
- 2.COM1~COM8 receive data statue indicator
- 3.COM1~COM8 transmit data statue indicator
- 4.B type USB female port
- 5.Company name, product line identification
- 6.Serial port COM1~COM8
- 7.AC power 3-PIN Jack
- 8.Mat place

USB8485I:

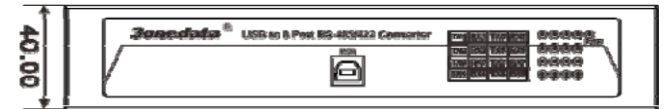


Back view

- 1.Power LED indicator
- 2.COM1~COM8 receive data statue indicator
- 3.COM1~COM8 transmit data statue indicator
- 4.B type USB female port
- 5.DC power input interface
- 6.Company name, product line identification
- 7.Serial port COM1~COM8
- 8.Mat place

【Dimensions】

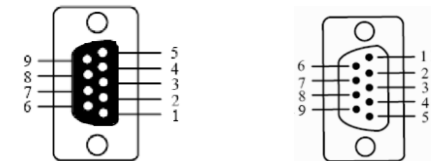
Unit (mm)



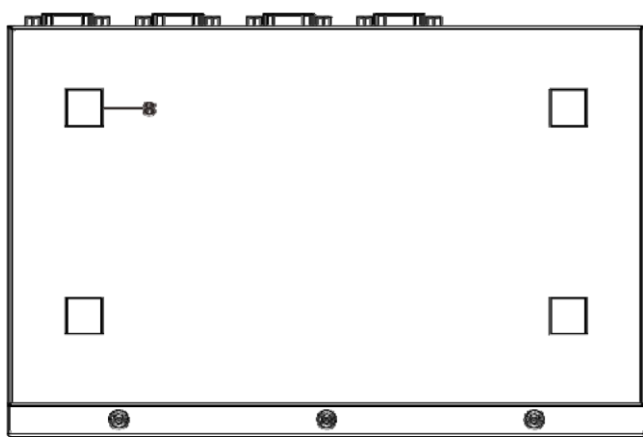
【PIN define】

follows:

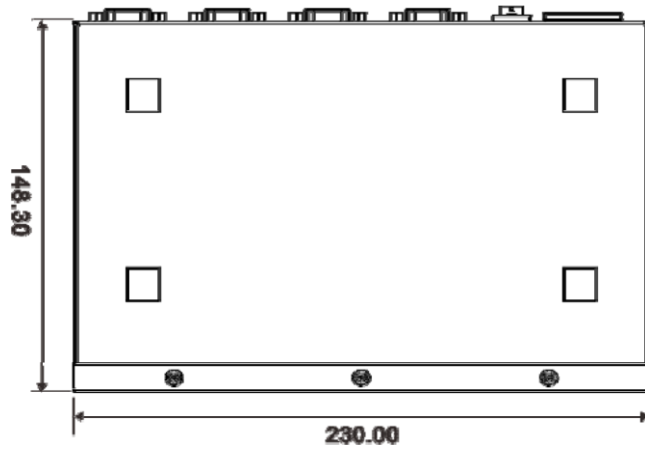
DB9:



DB9F (female, hole) DB9M (mal, needle)



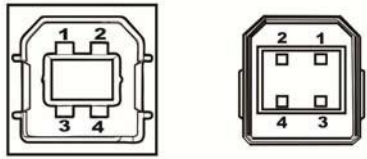
Bottom view



Front view

RS-485 (DB9M)	1	D-
	2	D+
	5	GND
RS-422 (DB9M)	1	T-
	2	T+
	3	R+
	4	R-
	5	GND

USB:



USB B type female

USB B type female

B type USB female	1	VCC
	2	D-
	3	D+
	4	GND

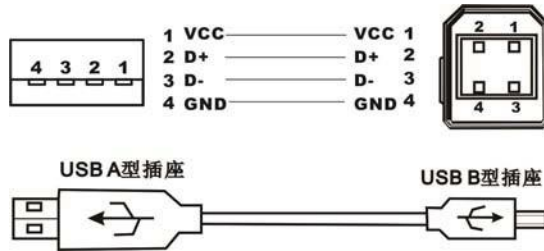
power plug, power input range: 100~240VAC.

【Power switch】



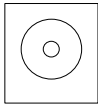
USB8485I-P (100/240VAC) back panel provide 1 boat type power switch, if OFF, power is closed, otherwise, it is opened

【USB cable】



【Power input】

USB8485I:



DC

The lower panel of USB8485I provides access port of DC and installation power, wherein the power input is 9VDC. Recommend to use the

【LED Indicator】

power adapter of DC head specification with 2.5mm inner

The LED indicator's monitoring working state of USB8485 can

diameter and 5.5mm outer diameter, 11cm length. fully simplify resolution of fault. Detailed states of each indicator

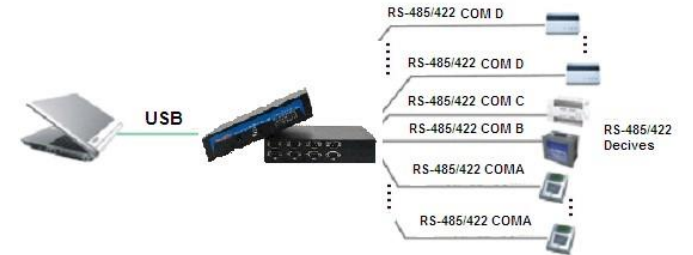
USB8485I -P (100/240VAC) :

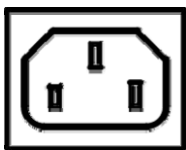
are shown in the following table:

System statuses LED		
LED	Status	Description
PWR	ON	Power connection regular
	OFF	No power connection or unwanted
	OFF	No data transmitted or unwanted
TX1~TX8	ON	Data transmitted unwanted
	Blinking	In receiving data
RX1~RX8	OFF	No data received or unwanted
	ON	Data received unwanted
	Blinking	In receiving data

【

Typical application】





USB8485I-P(100/240VAC) back panel provide 220VAC 3-pin

【Specification】

Parameter

Serial port: 8 port RS-485/422

RS-422 signal: T+,T-,R+,R-

RS-485 signal: D+,DParity: None,Even,Odd,Space,Mark

Data: 7bit,8bit

Stop bit: 1bit,2bit

Band rate: 300bps~115200bps

Direction: ADDC, auto detect direction control

Loading: RS-485/422 support 32 nodes

Protection: 2KVAC isolation, grade 4 static protection

Distance: RS-485/422 side: 1200m, USB side less than 5m

Interface

USB port: USB female, type B

RS-485/422 port: DB9 male (attached DB female terminal block)

LED indicator

Power indicator: PWR

8 port RS485/422 COM1~COM8 send data: TX1~TX8

8 port RS485/422 COM1~COM8 receive data: RX1~RX8

Power supply

USB8485I, Power input: 9VDC

USB8485I-P(100-240VAC): 220VAC(100~240VAC)

USB8485I

No-load power consumption: 1.63W@9VDC

Full-load power

consumption:

2.13W@9VDC

USB485I-

P(100/240VAC)

No-load power consumption: 2.3W@220VAC

Full-load

power

consumption

:

4.5W@220

VAC

Mechanic

al:

Shell: IP30, high strength iron shell.

Weight: 1011g

Dimension(L×W×H):230mm×148.3mm×40mm

Environmental

Working temperature: -40~85℃

Storage temperature: -40~85℃

Ambient

Relative

Humidity:

10 to 95%

(non-

condensin

g)

Standard

EMS: EN61000-4-2 (ESD), Level 4

Shock: IEC 60068-2-27

Free fall: IEC

60068-2-32

Vibration: IEC

60068-2-6

Warranty:

Warranty time: 5 years

Certification:

CE, FCC, RoHS, UL508(Pending)