

USB8232I-P(9VDC) User Manual

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【Summarize】

USB8232I is a kind of USB to 8 port RS232 converter, the USB8232I can let PC or work station's USB port connect 8pcs RS232 comfortable. USB8232I provides four RS-232 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

- USB8232I 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.

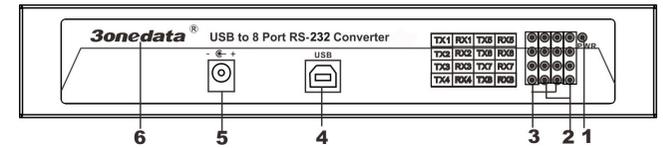
【Features】

- Use USB extend 8 port RS-232 ports
- CPU occupancy rate very low, high performance
- RS-232 support 1.5KVAC isolation
- Detect serial speed automatic, Speed: 300~115200bps
- Industrial design, IP30 protection grade

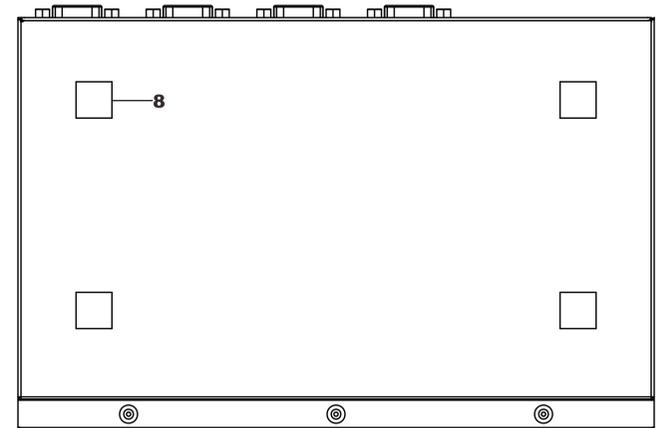
- No fan, low consumption design
- Storage temperature: -40°C~85°C;
- Relative humidity:5%-95%

【Panel design】

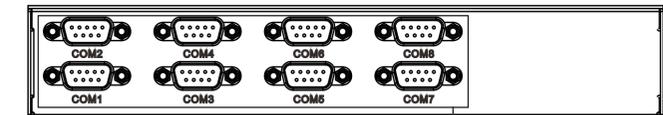
USB8232I:



Front view



Bottom view

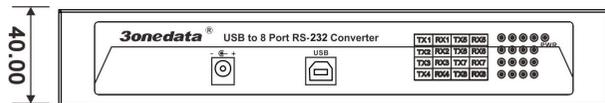
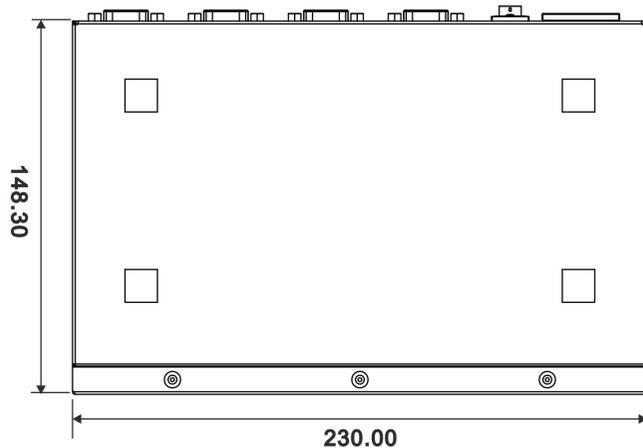


Back view

- 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.Shim

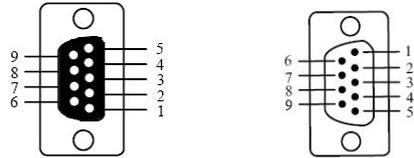
【Dimensions】

Unit (mm)



【PIN define】

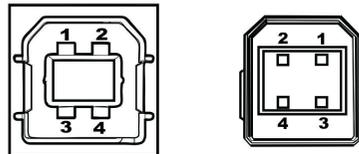
USB8232I serial converter RS-232 side adopts DB9 male, USB port adopts B type USB female, the PIN define is as follows:
DB9:



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

RS-232 (DB9M)	1	DCD
	2	RxD
	3	TxD
	4	DTR
	5	GND
	6	DSR
	7	RTS
	8	CTS
	9	RI

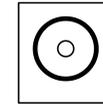
USB:



USB B type female USB B type male

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

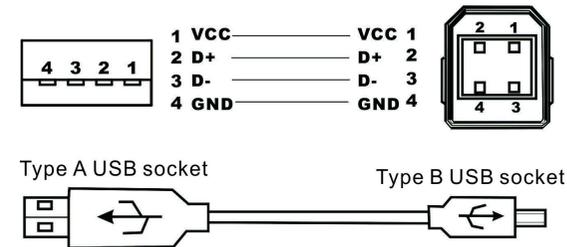
【Power input】



DC

The lower panel of USB8232I provides access port of DC power, wherein the power input is 9VDC. Recommend to use the power adapter of DC head specification with 2.5mm inner diameter and 5.5mm outer diameter, 11cm length.

【USB cable】



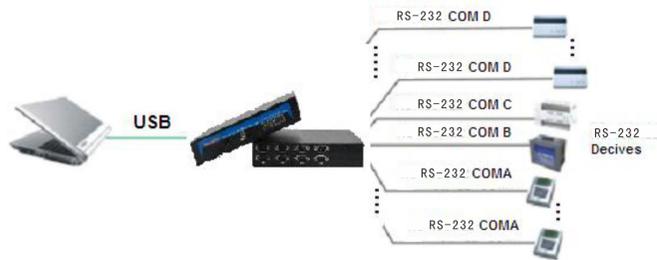
USB8232 provided 1 USB port, it located in front panel, it can connect to PC with USB cable and make the driver loading and installation

【LED Indicator】

The LED indicator's monitoring working state of USB8232I can fully simplify resolution of fault. Detailed states of each indicator are shown in the following table:

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

【Typical application】



【Specification】

Parameter

Serial port: 8 port RS-232

RS-232signal: DCD、RXD、TXD、DTR、GND、DSR、RTS、CTS、RI

Parity: None,Even,Odd,Space,Mark

Data: 7bit,8bit

Stop bit: 1bit,2bit

Band rate: 300bps~115200bps

Direction: ADDC, auto detect direction control

Protection: 1.5KVAC isolation, grade 4 static protection

Distance: RS-232 side: 15m, USB side less than 5m

Interface

USB port: USB female, type B

RS-232 port: DB9 male

LED indicator

Power indicator: PWR

8 port RS232 COM1~COM8 send data: TX1~TX8

8 port RS232COM1~COM8 receive data: RX1~RX8

Power supply

Power input: 9VDC

No-load power consumption:2.862W@9VDC

Full-load power consumption: 2.880W@9VDC

Mechanical:

Shell: IP30, high strength iron shell.

Weight: 1000g

Dimension(L×W×H):230mm×152.3mm×40mm

Environmental

Working temperature: -40~75℃

Storage temperature: -40~85℃

Ambient Relative Humidity:
10 to 95% (non-condensing)

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: 3 years

Certification:

CE, FCC, RoHS, UL508(Pending)