

# SMX-RS001

USB - RS-232 Converter Cable



## Electrical Properties

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### Operating Temperature

Parameter	Description	Minimum	Normal	Maximum	Unit
T	Operating Temperature Range	-40		+85	°C

### USB

Parameter	Description	Minimum	Normal	Maximum	Unit
USB_VCC	Input Power Voltage	4.25	5.0	5.25	V
I <sub>cc</sub>	USB Current		30	50	mA

### RS232

Parameter	Description	Minimum	Normal	Maximum	Unit	Terms
V <sub>trans</sub>	Transmitter Output Voltage	±5			V	RL=3kΩ
V <sub>rec</sub>	Receiver Input Voltage	±2.4		±25	V	Input Resistance= 3kΩ - 7kΩ
	ESD HBM		±15		kV	RS232 Input and Output

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### Technical Specifications

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Property	Description
Chipset	FTDI
Type	USB 2.0 TO Serial (9-Pin) DB-9
Color	Black
Length	1.5 m Cable Length
Connection Detail	1 x Type A Male USB 2.0 USB to 1 x 9-pin DB-9 Male RS-232 Serial
Terminal Gender	Male, Screw Type
USB Compatibility	v1.1(0) & USB CDC v1.1, USB 2.0
Interface	Standard USB 2.0 Interface
Data Transfer Size	96 bytes data transmission, 96 bytes data retrieval
Dimension	23.4 x 13.7 x 3.6 cm

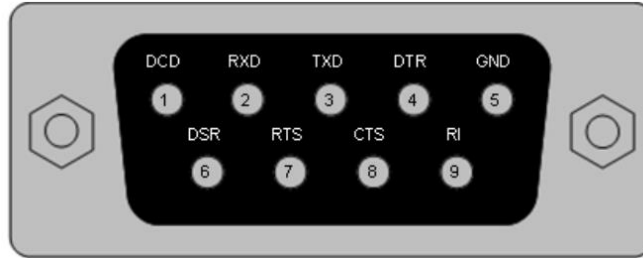
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## Electrical Connection

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### RS232

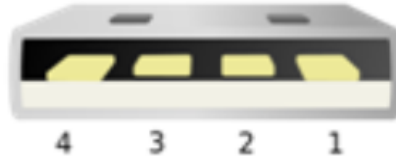


Pin No.	Name	Type	Description
1	DCD	Input	Data Carrier Detect control input
2	RXDATA	Output	Receive Data input
3	TXDATA	Input	Transmit Data output
4	DTR	Input	Data Terminal Ready control output
5	GND	Gnd	Device ground supply
6	DSR	Output	Data Set Ready control input
7	RTS	Input	Request To Send Control Output
8	CTS	Output	Clear to Send Control input
9	RI	Input	Ring Indicator control input

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## USB



Pin No.	Type	Description
1	Power	VBUS – USB Power provided
2	Bidirectional	D- = USB data signal, negative polarity
3	Bidirectional	D+ = USB data signal, positive polarity
4	Ground	GND= USB signal ground

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