

SERIAL TO USB (HID) CONVERTER

PRODUCT IMAGE



OVERVIEW

This unique module is a Serial (RS232 Logic) to USB 2.0 HID (Plug and Play) converter, which is seamlessly connected with Computer/laptop, and detected as USB Keyboard input device. This is built with Industrial grade enclosure using Aluminum casting specially designed for Industrial applications.

DETAILS

1. APPEARANCE

TOP VIEW



FEATURES

- No driver software required
- USB 2.0 Plug and Play device
- USB Full speed support
- Data will be displayed on cursor point in PC
- Industrial grade

BENEFITS

- High durability
- Less power consumption (150 mA)
- USB port power(5 V)
- USB data prefix and suffix can be customized upon request.

APPLICATIONS

- Weighing scales- USB 2.0 connectivity with PC/laptop.
- POS/ERP/SAP application software.
- Any Serial RS232 output device – USB 2.0 connectivity with

SIDE VIEW (RIGHT)



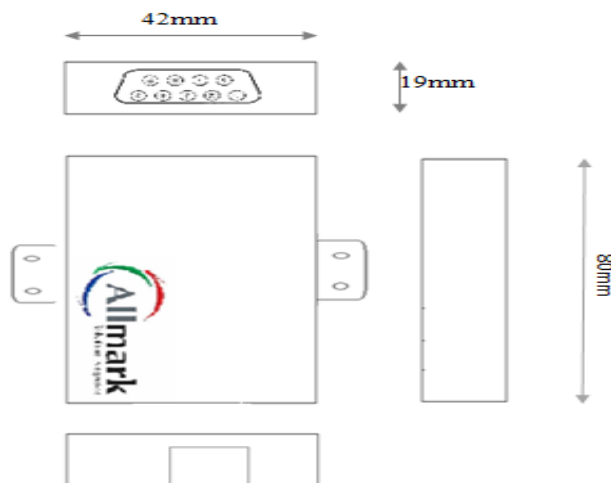
SIDE VIEW (LEFT)



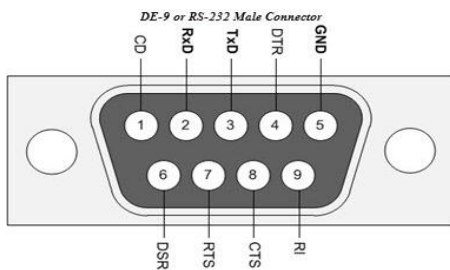
2. DIMENSIONS:

Device Dimensions with ears: 80mm*70mm*19mm (l*b*h)

Device Dimensions without ears: 80mm*42mm*19mm (l*b*h)



3. PIN ASSIGNMENT:



DE9 MALE PORT

Pin	RS-232
1	NC
2	RXD
3	TXD
4	NC
5	GND
6	NC
7	NC
8	NC
9*	+5V DC Supply

Note: *9th pin is providing with +5V (± 5%) DC supply for external device (Ex: Scanner, Wireless device, etc.)

TECHNICAL SPECIFICATIONS:

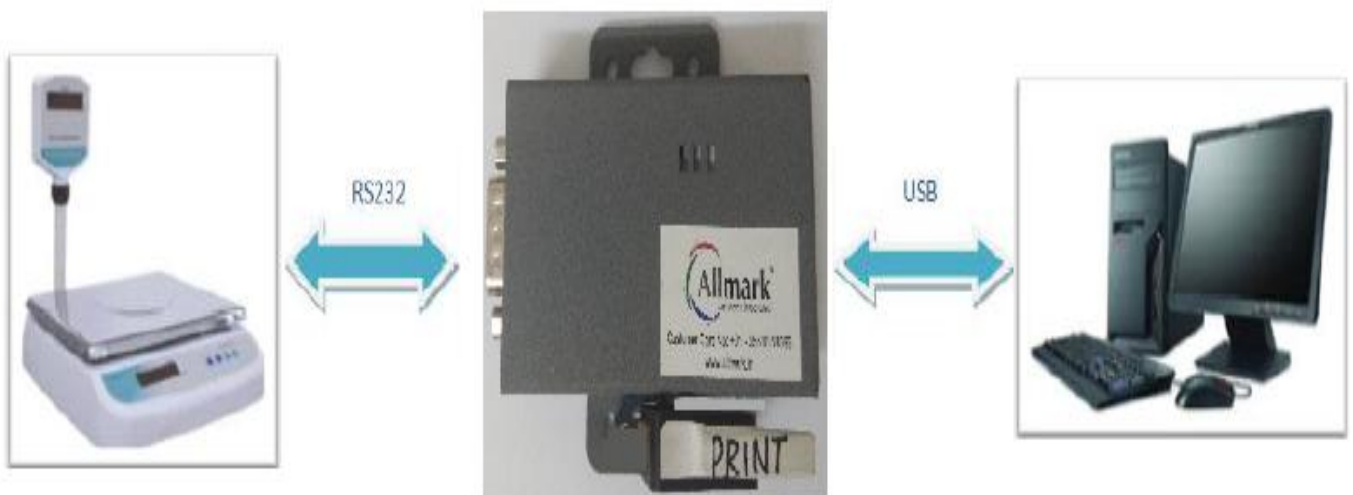
Model/Version control number	S2UHID/V1
Serial RS232 interface	DE9 Male port (Simple 3 wire communication)
Serial port configuration	Default 9600 baud rate.
(User can select any of serial port setting from the computer according to the device connected via RS232 port.)	Parity bit – None, Data bit - 8, Stop bit – 1, Flow control – None.
Serial Communication	Asynchronous
USB Communication	Full speed USB 2.0
Device current	<150mA (max)
Device Voltage/Power	3.3V to 5.5V (max). USB Self powered.
Driver support	Plug and Play.
Working temperature	-40°C to 85°C
Dimension	80*42*19mm (LBH)
Total weight	80 gms
Accessories	USB A to B cable 1 nos.

QUICK START GUIDE:

For PC/Laptop users:

1. Insert the device USB cable with PC/Laptop, device driver will be automatically installed in most of latest OS versions, and go to devices and printer, where you can see HID_ALLMARK USB keyboard input device.
2. Connect the serial device (Ex: Weighing scale) with our converter.
3. Open Notepad or Excel sheet document in computer.
4. Press the Print button on the device, now you can see data transferred to computer and placed on current cursor point in the document.

SAMPLE APPLICATION DIAGRAM:



USE-CASE APPLICATION OVERVIEW

In Industries, the use-case arises in such a way that the weight data to be transferred to the cursor position in third party software (ERP/SAP), upon manual Trigger of Switch by the user. In such cases, weighing scale manufacturer does not provide such features and hence **Allmark** step into offer such solutions, through this HID device.

SAMPLE OUTPUTS

