

**mUSB232****mUSB485**

USB Converter

mUSB232 **mUSB485**



The mUSB232 & mUSB485 is a family of communication devices. The models provide a simple method of adapting industrial and commercial serial devices with RS232/485 interface to modern USB ports. Each media converter contains a small electronic circuit board mounted inside a rugged plastic enclosure capable of withstanding industrial temperature ranges. The integrated electronics also include RS232/RS485 level shifters and Tx/Rx LEDs to provide a visual indication of data traffic through the media converter.

The cable incorporates a standard USB-A device connector for connection to an upstream host or hub port. RS232-level signals, including modem handshake signals, are available on an industrystandard DE-9P connector cable. The RS232-level data rate range is 300 baud to 1 M baud.

The media converter cable requires USB device drivers, available free in CD supplied with media converter, which is used to make the media converter appear as a Virtual Com Port (VCP). This allows existing serial communications software, such as HyperTerminal, to exchange data through the media converter to industrial RS232/RS485 peripheral devices.

Features

- USB port powered
- Small to fit in laptop bag
- Supports microsoft windows® WHQL-certified, Mac OS X, Linux and Windows CE device drivers
- USB 2.0 or higher compatible port
- Baud rate supports: Max 1 Mbps

USB to RS232 Converter

- Convert the signals to RS232
- Port: 9 PIN DB male connector
- Output - RS232 full handshaking

USB to RS485 Converter

- Convert the signals to RS485 level
- Outputs: D + / D -
- Maximum 32 nodes
- 120E termination resistor selection

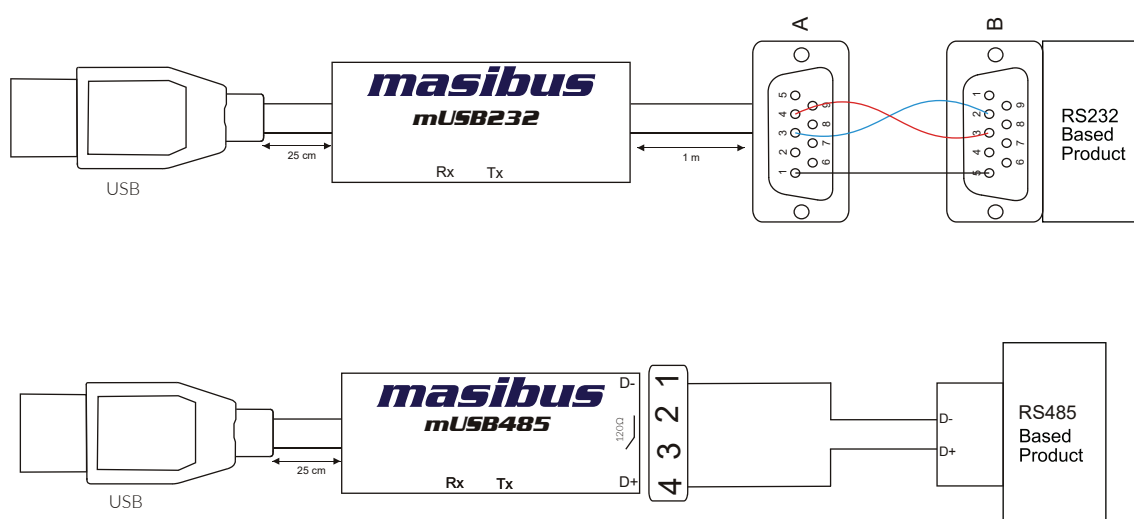
Applications

- Media converter
- Data acquisition system
- Field service application

TECHNICAL SPECIFICATIONS

RS232		Indication	
RS232 Data Signals	TxD, RxD, RTS, CTS, DSR, DTR, DCD, RI, GND	Indication	Rx & Tx traffic LED Indication on Media Converter
Serial Port Speed	300 baud to 1M baud	Driver Support	
Connector	9 PIN DB male connector	Driver Support	Microsoft windows® WHQL-certified, Mac OS X, linux and windows CE device drivers
Serial Communication Parameters	Parity: none, even, odd	Power	
	Data bits: 7, 8	Power	5VDC on USB port. No external power media converter required
	Flow control: RTS/CTS, DSR/DTR	Current Consumption	20mA (Typ), 50mA (Max)
	X-ON/OFF, None	Physical	
Cable	1 meter	Module Dimension in mm (Excluding Connector & Cable)	12.5 (H) X 24 (W) X 50 (L)
RS485		Environmental	
RS485 Data Signals	D+ & D- (Selectable internal 120Ω termination resistor)	Operating Temperature	-20°C to 80°C
Baud Rate	Max 1 Mbps	Humidity	30-95% RH non-condensing
USB			
USB Full Speed	12 Mbps on USB version 1.0/2.0 or higher		
Connector	USB type A male		
Standard	2.0 (Backward compatible)		
FIFO	256 byte transmit buffer, 256 byte receive buffer		

Connection Details



Ordering Code

Model	Description
mUSB232	USB - RS232 Converter
mUSB485	USB - RS485 Converter

Accessory

USB device driver CD