

# UD-2535U

## USB to RS232 / RS422 / RS485

Milestone model UD-2535U is a USB to RS422 / RS485 / RS232 converter and is designed for high-speed isolated data transmission between computer system through its USB port and peripherals or other devices having RS422/RS485 / RS232 interface over long distance under high noise conditions.

### Applications:

Applications for these converters can be for factory automation, programmable logic controllers, attendance recording systems, barcode readers, remote data transmission, remote terminals, EPABX etc. can also be used to program and configured routers & home automation controllers with laptop's USB port.

**Compatibility:** WinXP, Win2000, Win7 64/32bit, OS system support.

### Important >Long Distance Cable laying.

Long distance cable between two RS422/485/ interfaces must be a twisted pair cable, you can use standard CAT5 cable. The pair should be used for each signal type + and – signal. This gives high common mode noise rejection. While laying the cable, care should be taken not to lay this cable parallel to power line cables. The cable resistance should not be more than 90 ohms / 1000 meters. The cable should run through conduit pipe for physical protection.



### SPECIFICATIONS

- Input: USB 2.0 Compliant
- Output: RS485 / 422 Interface TX+, TX-, RX+ RX.
- Output: RS232 TX, RX, Gnd.
- Protection: Spike Suppressor and opto isolation
- Output connectors: 7 pin detachable connector
- 2/4 wire selection: 2 way slide switch for full / half duplex
- LED: Power, TD, RD
- Power: powerless (via USB)
- Operating Temperature: -5° to 55°
- Size: 105mm x 75mm x 32mm
- Storage Temperature: -40 to 70°

### Connections:

#### Input>

- 1 x USB 2.0

#### Output>

- 1 x 7 pin detachable captive screw connector

### Power:

Via USB (powerless / self powered from USB port )

### Size:

(h/w/d) = 105mm x 75mm x 32mm

### Packing:

1\*Manual,1\* USB cable,1\*Driver CD for Virtual Com and USB Bridge driver for virtual comport driver...

## Applicable Product line.

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Models:

ML-LD15U : RS232 >< RS485/422

ML-LD15PL: RS232 >< RS485/422 Din Rail mount

ML-LD15UA : RS232 >< RS485 / 422 Addressable

ML-LD-15UR : RS485 Repeater

ML-LD-12I : RS232 Isolator TX, RX

ML-LD-14I : RS232 Isolator TX, RX, DSR, DTR

ML-LD-SP2S1 : Serial Surge Protector RX,TX

ML-LD-SP2S2 : Serial Surge Protector RX,TX, DTR, DSR

ML-LD-SP2S3 : Serial Surge Protector RX,TX, DTR,RTS, CTS

ML-LD-SP2S4 : RS422/485 Surge protector TX+,TX-RX+, RX-

ML-LD1C : RS232 >< 4-20mA Current Loop

ML-UD25U : RS232 / USB >< RS485/RS422

ML-UD35U : USB TO RS232

ML-IP-2535U : IP / CAT5 to RS232/485/422

ML-104U : RS232 to 4 RS485 Out

ML-108U : RS232 to 8 RS485 Out

ML-116U : RS232 to 16 RS485 Out

ML-1044U : 1 RS232 to 4 RS232 / 4 RS485 Output

ML-A104U : 1 RS485 Input to 4 RS232/RS485 Outputs

ML-A108U : 1 RS485 Input to 8 RS232/RS485 Outputs

ML 104URS : 1 RS422 Input to 4 RS232 Outputs

ML 102US : 1 USB to 2 RS232

ML 104US : 1 USB to 4 RS232

ML 108US : 1 USB to 8 RS232

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## Diagram

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