

# ZD-Shifter SU4

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Multiple Purpose Level Shifter  
for Automotive Signal Conversion



## ZD-Shifter SU4

The ZD-Shifter SU4 is a multiple-purpose shifter, which includes RS232 ports. It is designed to convert UART TTL signals to RS232 and USB Port to UART TTL Signals both bidirectionally. Just with one input and output connector on ZD-Shifter SU4, users can convert signals of main unit of cars or test benches from one side and a datalogger on the other side.



### Features

- Supports TTL, RS232 and USB Type-C\*
- Supports USB 2.0 high speed
- On board LED indicators for Power, Input/Output
- Auto Shutdown & wakeup via UART signal
- Supporting software compatible with MS Windows/Linux
- Compact and modular design

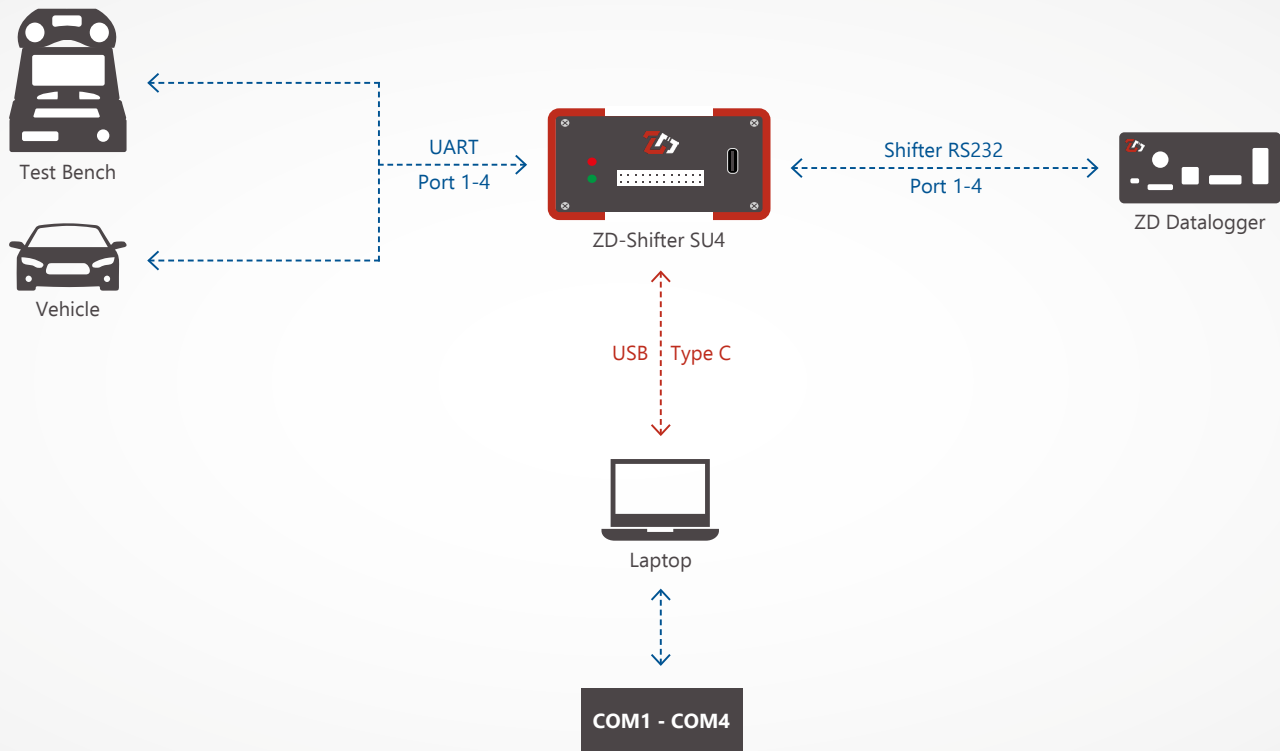
\* USB Type-C cable, TTL Serial cable and RS232 Serial cable included

As an efficient and convenient shifter, ZD-Shifter SU4 has multiple application scenarios. It can not only support the bidirectional signal transmission between 4 x TTL and 4 x RS232 Serial ports, but can also convert signals from 4 x TTL to USB Ports in both direction. Depend on different test requirements, all these scenarios can take place simultaneously or separately.

### Product Specifications

4 x UART Ports	Power Consumption: 0.2W
4 x RS232 Serial Ports (Level Shifter)	Supply Voltage: USB VBUS 5V or VBAT 12 V
1 x USB2.0 Type C	Standby Current: 0.1mA

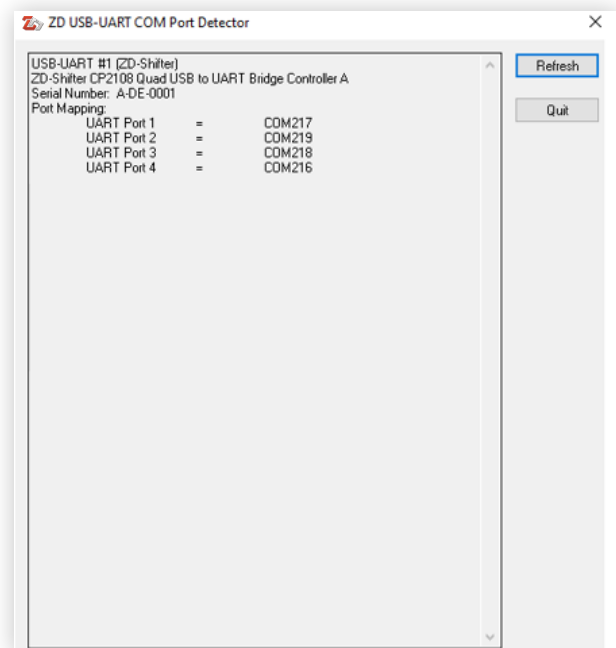
## Application Scenarios



## ZD-Shifter Toolset Software

The ZD-Shifter toolset software illustrates mapping relationship of all virtual COM ports in Windows to ZD-Shifter TTL ports. Connecting the PC with one equipped USB cable, which supports 4 RS232 ports, users can test and manage all 4 ports in an overview within the software conveniently.

Moreover, the onboard LEDs of ZD-Shifter SU4 indicates serial data activities of the equipment, which guarantees a high efficiency for the signal conversion and test processes.



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