What is a Serial Converter?

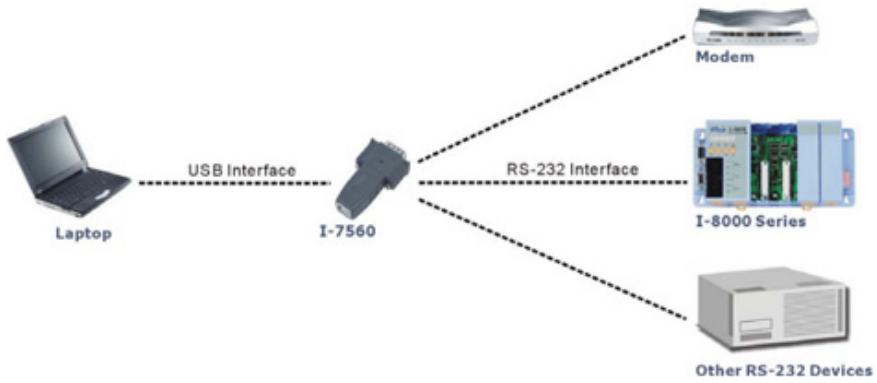
Serial ports on computers have been used for decades to communicate to external devices and equipment. In the early 1980's until the turn of the century, RS-232 ports were the most common type of port used for external communication. Today, USB ports are the most common type of serial port.

What happens when you have an older device which has an RS-232 port? Since serial ports are conduits for serial communication; the main difference is the signal levels and wiring, serial ports can be electrically converted using a serial converter.

The most common serial converters receive serial communication in one format like USB and directly convert the signal electrically to another form of serial communication like RS-232. The same happens for the signal originating on the opposite end (RS-232) is converter to USB to provide bi-directional (two way) communication.

The serial communication is only converted electrically between electrical communication standards.

The most commonly used serial conversion in industrial automation is between USB to RS-232. Our I-7560 converters a standard USB port on a PC to an RS-232 port.



Other serial communication standards like RS-485 and RS-422 can also be converted using other models to provide direct conversion between serial devices.

The TM-7561 is an RS-485 to USB converter. It will connect to a PC's USB port using a USB cable and provide an RS-485 output to one or many RS-485 devices wired to the orange terminal block shown below.

If you have any questions concerning any of serial converter, please contact us via email or phone. We are here to help.