

Product sheet: USB-I2O2

Rev: 1.0

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Digital I/O from USB serial port



The USB-I2O2 is digital IO system, with 2 optò isolated inputs, and 2 relay outputs, and it is powered from the USB port, hence no external power supply is needed.

It is programmed as a serial communication port, so it is just the standard drivers from windows that is used – no exotic DLL files have to be imported and registered.

Serial port programming

There are no application software coming together with the IO system, but you have to write your own software and it is rather simple, because you access it as a standard comport, using the handshakes to control the IOs.

In your application (Java, Visual studio, Excell and many others), just use the mscomm32.ocx component from windows, and let your application set and read the handshake signals.

In 1 : CTS (Clear to Send)

In 2 : DSR (Data set ready)

Out 1 : RTS (Request to send)

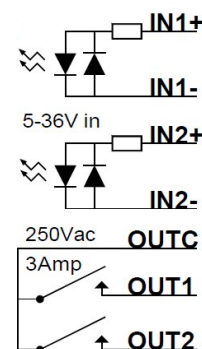
Out 2 : DTR (Data terminal ready)

The first 10 seconds after it's powered, the relay outputs will be disabled, to ensure that the USB initialization procedure will not affect the relay outputs.

Hardware details

- Power : 5V / 100mA from USB
- Relay load max : 250Vac / 3 A
- Optocoupler max : 3-48V ac/dc
- Optocoupler Rin : 1.6kOhm
- Operating temperature : 0 to 85°C
- Dimensions[mm] W: 54 / L: 105 / H: 35
- Weight 90 gram

IO details



Commercial details

- Order : **USB-I2O2**

- Price(2016) : **EUR 110 @1**
EUR 98 @10
EUR 90 @25