

USB TUTOR MODULE – EDU05



Take your first steps into the PC-USB world.
This tutor will teach you to master USB communication with external devices.

Features

- part of our EDUKIT range
- starting from an already made example program, this module will teach you how to:
 - read up to 8 push buttons and activate a PC event
 - light up to 8 LEDs using your PC
 - read the value of 2 different potentiometers (analog value)
 - read and display the temperature on the PC
 - read the value of a temperature dependent resistor (NTC)
 - read the value of a light dependant resistor (LDR)
 - dim a white LED using your PC
 - learn how to display text on an LCD using your PC
 - learn how to combine the above and use the LCD to display push button press, display values..

Specifications

- USB 1.1 - 2.0 compatible
- USB powered + LED indicator
- PC with windows XP or higher (internet needed for software download)
- digital input/output:
 - 8 definable push buttons
 - 8 definable LEDs
 - 1 White LED
- analog input:
 - temperature sensor
 - NTC resistor
 - LDR resistor
 - 2 potentiometers
- display:
 - 16 character 1 line LCD
- included: USB cable
- board dimensions: 75 x 75 mm / 3 x 3"