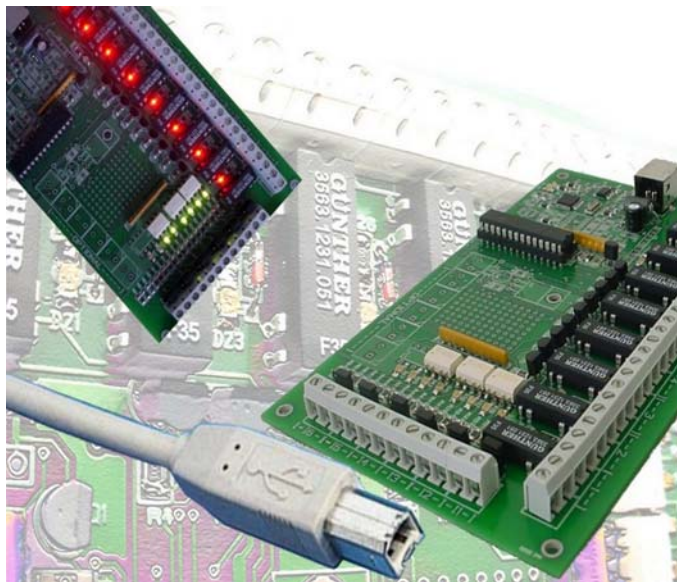


IO-69-USB

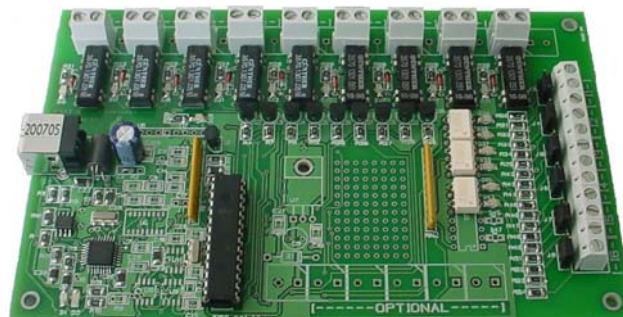
Input/output Card with 6 inputs and 9 outputs and USB interface



IO-69-USB is a card to manage six optocoupled inputs and nine outputs with USB interface. Easy to use, thanks to its installation drivers and software libraries which also reduce installation costs, **IO-69-USB** is the right answer to the need to acquire digital signals and to control power outputs from a PC in an industrial environment. Besides, the implementation of *hardware controls* allows to manage anomalous status, switching off all the outputs. Timeout command deactivates all the outputs in case of no commands sent for a fixed time.

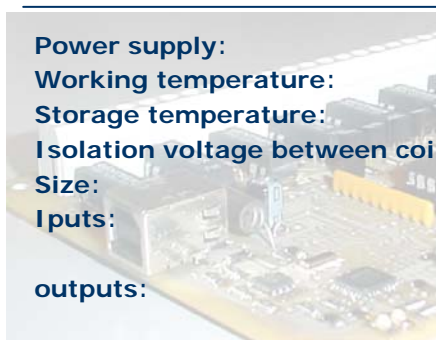
Furthermore, there is the possibility to program all the outputs so that each one will activate only when inputs reach assigned conditions: in this case, IO- 69 acts like a programmable logic controller.

The use of USB interface allows **IO-69** high speed, hardware independence and flexibility in the expansion of connected cards. The board size is the standard *European Format Card* so that it can be easily integrated in several systems. Besides, **IO-69** has its inputs and outputs galvanically isolated to protect from electromagnetic disturbances and ground loops, improving its reliability and quality.



IO-69-USB is provided with a driver and a software for Windows.

General technical features:



Power supply:

Working temperature:

Storage temperature:

Isolation voltage between coil and contacts:

Size:

Inputs:

outputs:

USB:

selfpowered thorough USB

from 0° up to + 60°C

from -40°C up to + 85°C

500Vdc.

European format card (100 x160 mm)

6 optocoupled inputs, with voltage independently selectable for each input at 5/12/24 Vdc

9 relay Single Pole Single Throw (0,5A, 70Vac/100 Vdc).

9 relay Single Pole Double Throw (1A, 100 Vac/dc).

1 USB port type B, compatible with USB2.0



Technical features of inputs:

Number of inputs: six
Operative Voltage: independently selectable for each input: 5V/12V/24V (DC)
Protection: optocouplers with 2.500Vrms maximum operative voltage
Connectors: pitch terminal block

Technical features of outputs:

Number of outputs: nine
Type (SPST): relay single pole single throw,
Max switching current: 0,5A
Max carrying current: 1A
Max switching voltage: 100Vac/dc, potential free
Max contact resistance: 150 mΩ
Type (SPDT): relay single pole double throw,
Max switching current: 0,25A
Max carrying current: 0,5A
Max switching voltage: 70Vac/100Vdc, potential free
Max contact resistance: 200mΩ
Connectors: pitch terminal block

The state of the inputs and outputs is shown through LEDs on the board

Timeout control to turn off all the outputs if it does not receive commands from the host within a time configurable through software.

USB port technical features

- 1 B port autonomously powered for the host connection .
- Possibility to connect directly to an host port up to 256 cards for a maximum of 1536 inputs and 2304 outputs.



Contacts

IPSES s. r. l.

Research and development office:

via Trieste, 48
20020 Cesate (MI)
Italy

tel. +39 02 99068453
fax +39 02 700403170
e-mail: info@ipses.com
http://www.ipses.com

For prices and sale information
e-mail: sales@ipses.com

For technical support
e-mail: support@ipses.com

