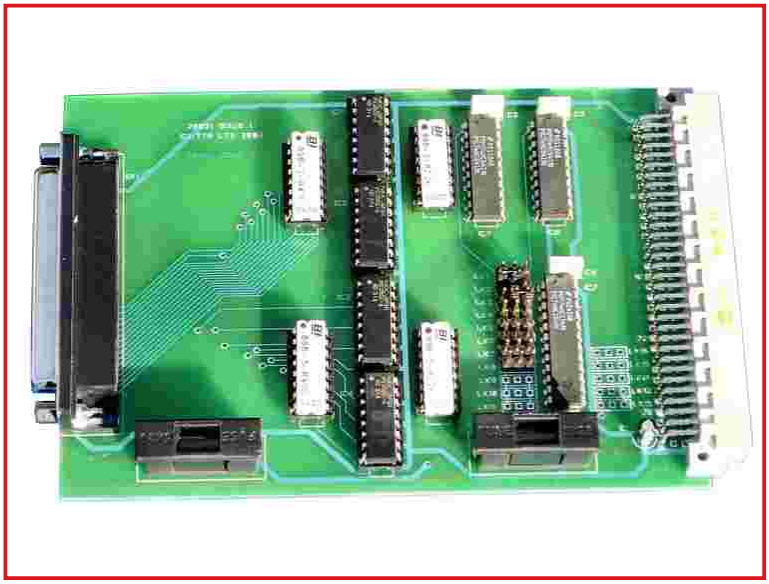
GPI Trigger

TTR GPI Trigger



TTR GPI Trigger
The TTR GPI matrix is based on 4 individual euro cards.
The heart of the system is a fully customer programmable Microprocessor card with Non-Volatile memory back up. This card can be factory programmed to your individual needs or we can provide software to allow full custom configuration.
The TTR GPI matrix is completely unique in as much as it lets you set up an output by mapping a combination of inputs to it. These logical combinations are sent to the switch through the programming interface and the matrix latches the output state.
The matrix panel buttons are momentary and a virtual on /off state is kept in the input range 128 ñ 255. For example press button 1 on the panel and the input 1 will only be momentary. The input 128 (virtual) will be set on and will stay on until button 1 is pressed again. The virtual inputs can be read as real inputs and used in the logical equations for the output programming.

The matrix is programmed by sending command packets to the device via a serial interface.

The matrix will respond to each packet sent with a reply.

If the command is a status request the response will be a status reply.

If the command is a data request the matrix will respond with a data reply packet and NO status reply etc.

Features

- Opto-isolated inputs and outputs
- 128 inputs and 256 outputs
- 128 momentary inputs and128 virtual latched inputs
- Optional Windows front end driver
- RS232 control that can allow expansion in the x and y direction
- Non volatile memory
- Can interface with most matrix or automation systems

Specifications

CONNECTIONS	Inputs are Opto-isolated Outputs are Opto-isolated (DPDT relay output card is optional)
USER CONTROLS	The serial interface has the following settings: • Baud Rate 38400. • Data Bits 8 • Stop Bits 1 • Parity None. D9 connector COM 1 rear panel. • Input Pin 2 Rx Connect to the Tx pin of the computer. • Output pin 3 Tx Connect to the Rx pin of the computer. • Ground 5 Gnd Connect to the Gnd pin of the computer. If you are making up a cable donít forget to cross over Rx and Tx on your computer to Tx and Rx on the GPI unit. You may also need to link pin 4 to pin 5 on your computer end connector.
INDICTATORS	Power Led MPU heartbeat LED
POWER	**Voltage** 198-250 Vac or 90-125 Vac **Consumption** 16 VA nominal **Mains connector** IEC type
CASE	1U or 3U 19inch rack frame unit options Weights • 1u 5Kgs packed • 3u 8 Kgs packed
CONNECTOR TYPES	110mm x 110mm Standard Eurocard design for input and output cards Dual redundant power supply option
POWER	Video BNC Power (mating supplied) IEC

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