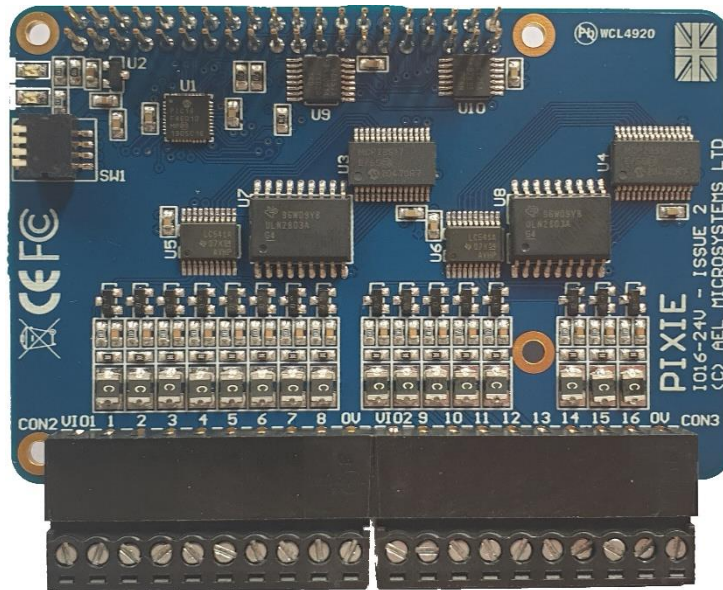


PIXIE IO16-24V product brief



The PIXIE IO16-24V Digital Input/Output board

The PIXIE 'IO16-24V' is a general purpose digital input and output board that provides interfaces for your application, general prototyping, test rigs, one off products, education and evaluation.

- Fully configurable and updatable using the 'PixieBoard' configuration tool.
- External signals available using 2 part pluggable 3.5mm terminals.
- Uses standard PIXIE board format.
- Uses high speed SPI bus for data transfers.
- Software libraries available for C, C++, Python and LabVIEW.
- Fits optional DIN rail mountable housing.
- Manufactured in the United Kingdom

Digital Inputs/Outputs

- Provides 16, combined input and output digital signals each capable of working across a voltage range up to +24V.
- Each of the 16 I/O circuits can be individually controlled as an input or output.
- Inputs can monitor a signal as a low level if $< +3V$ or as a high level if it is between $+3V$ and $+24V$, making it ideal for a wide range of signal voltages.
- Outputs are Darlington open collector and have built in flyback diodes and are capable of driving resistive or inductive loads up to 200mA.
- Outputs are resettable fuse short circuit protected.
- Interrupt's can be generated by a GPIO when a change of input signal is detected.
- Devices used are Microchip MCP23S17.

AEL Microsystems Limited

Email: enquiries@aelfmicro.com

<https://www.aelfmicro.com>