



# ANALOG INPUT MODULE

## EDP-AM-AN16

The module allows up to 28 analogue channels 16 of these are interfaced directly to the Controller Module, (CPU dependent).

A mix of filtered and unfiltered inputs and two precision voltage sources for accurate absolute measurement.

- The on-board MAX1138 ADC is accessible via the I2C\_CNTRL bus and provides an extra 12 channels of 10-bit analogue to digital conversion
- Module also features a Potentiometer and LDR for experimental purposes
- Two modules may be fitted to a baseboard so that a total of 40 analogue input channels is possible

### Available Channels include:

- 2 x channels with 2-pole filters, digitally controlled cut-off frequency
- 6 x channels with 2-pole filters, fixed cut-off frequency
- 8 x channels with 1-pole filters, fixed cut-off frequency
- 12 x unfiltered channels
- 1 x +5V reference
- 1 x +3V3 reference

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