



Product Summary:

The PWM to Analog converter allows the customer to convert low side drive PWM signals to (0-5v) analog output. There are 4 separate channels available. It is internally pulled up to 5V and has a minimum input frequency of 4 kHz. The supply voltage is 8-15V but 24V may be available.

Hardware Features:

- Operating Voltage: 8-15VDC
- PWM to 5V analog converter
- Minimum switching frequency of 4 kHz
- Maximum tested switching frequency of 10 kHz
- 100 mA max current draw for entire box
- 10mA max current sourcing/sinking for each analog output channel

Rise and Fall Time:

- Rise and fall time is measured by switching a PWM signal from 10% to 90% duty cycle and back with a resistive load to ground on the output.

Rise Time (ms)	Fall Time (ms)	Frequency (kHz)	Resistance (kOhms)
0.8	0.8	4	1
0.8	0.8	4	100
0.72	0.72	10	1
0.72	0.76	10	100

Connecting Information:

Pinout:

1. Vcc - Voltage input
2. AOut1 - Analog output 1
3. AOut2 - Analog output 2
4. AOut3 - Analog output 3
5. AOut4 - Analog output 4
6. N/A - Unconnected
7. N/A - Unconnected
8. Din4 - Digital input 4
9. Din3 - Digital input 3
10. Din2 - Digital input 2
11. Din1 - Digital input 1
12. Gnd - Ground

