

# Advantage4

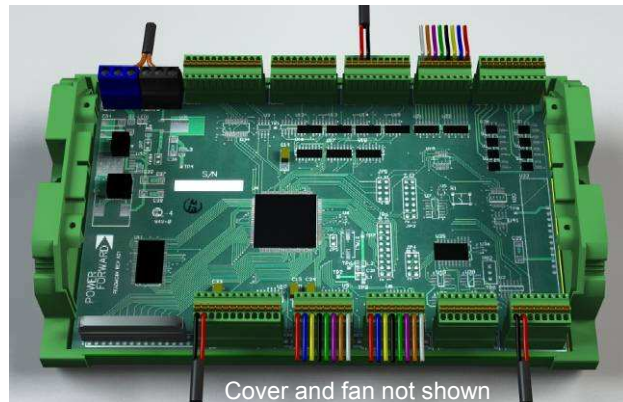
Proprietary DSP Motion Controller

## Information sheet

### Simple, Powerful, Easy to Use

Developed to meet our own exceptional requirements

- ❑ **4 Axes of Motion**
  - Velocity, acceleration, profiling, synchronization, etc.
  - Multiple boards can be connected through CAN Bus
- ❑ **100% Accuracy**
  - No errors, not even rounding
- ❑ **Easy Interfaces**
  - For mounting and device connection
- ❑ **Compact Packaging**
  - All connectors on outside of board



### Technically speaking ...

- ✓ 4 axes of closed loop servo control using advanced PID algorithms with velocity and acceleration feed forward. Sample times as low as 250  $\mu$ s per axis.
- ✓ Comprehensive motion control algorithms such as E-Gearing, E-Camming, point-to-point positioning, linear interpolation and much more.
- ✓ Small Din Rail mountable package with quick release terminals. All terminals (except power ground) are screwless and include probing port for monitoring voltage levels.
- ✓ Inputs/Outputs:
  - 24 Opto-isolated inputs capable of high speed axis registration
  - 8 fully protected low-side smart power Mosfet outputs
  - 8 Opto-isolated solid state relay (SSR) outputs
  - 2 high speed RS-232C serial connections
  - 4  $\pm$  10v ADC channels, 16 bit accuracy

Designed & Manufactured by  
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