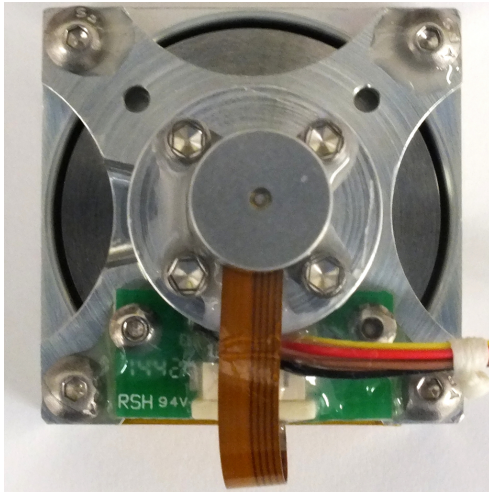


# MAI-400

## Single Axis Reaction Wheel Assembly

Stock #: MAI-000-00010000



The MAI-400 reaction wheels are offered as a complete, standalone reaction wheel assembly unit for CubeSats and NanoSat missions. The motor driver electronics, which includes an ARM Cortex CPU, reside on a 1.3" x 1.3" PCB mounted to the mechanical wheel assembly. This provides a compact, versatile solution for various attitude control needs. This single axis reaction wheel assembly can provide the necessary attitude control for all nanosatellites including CubeSats.

### Specifications

Performance Item	Specification
Momentum Storage@10000rpm	11.076 mNms
Maximum Torque	0.635 mNm
Command and TLM Interface	I2C, UART
Rotor Dynamic Balance	<40 mg-mm
Operating Temperature	-40 to 85 °C
Weight	110 g
Dimensions	1.3 x 1.3 x 1.51 in
DC Voltage	5 V
Maximum Current	0.44 A
Steady State (500 RPM)	0.17 A
Idle	0.09 A

Compact,  
Economical,  
High performance.

