



Goshawk™ Specifications:

Power

9-36V

Processing

Processor: Freescale 56xx

Processor Speed: 264Mhz

RAM: 4MB

Flash: 4MB

Communication

4 - Bidirectional CAN Buses

1 - Ethernet Port (for use with included UI)

2 - RS-232 Ports

1 - RS-422 Port

Inputs

4 – 14 bit Crank Angle Sampled Analog Inputs

2 – 12 bit Analog Inputs

Sampled @ 400hz

5 – Digital Inputs

Inputs are 0-Vbatt with a 2.5V level threshold

1 – RTD Input

2 – VR or Hall Effect Speed Inputs

Outputs

4 – Scaled Analog Outputs*

5 – Digital Outputs

4 – Push/Pull will source 10mA @ 5v

1 - Open Collector will Sink 10mA Max

4 - High Current Drive States

Independently Controlled

Capable of currents up to 25A at 48 Volts

Programmable Current Control Settings

Reverse Current Capable

8 - Paired High Current Drive States

Independently Controlled

Capable of currents up to 25A at 48 Volts

Programmable Current Control Settings

2 – Synthesized Timing Outputs

Software Programmable

½ Degree Resolution

Open Collector Outputs

* The scaled analog outputs correspond to scaled versions of the four Crank Angle Sampled Analog Inputs. The scaling is programmable and is independent across the four channels.

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