

## Glentek's New SMB9508 Alpha Series Servos Amplifiers

Precision high bandwidth all digital servo amplifiers designed to compliment Glentek's Nema 23 & 34 and other small brush, voice coil or brushless instrument servo motors.

Typical applications are medical, high speed semiconductor positioning, packaging machines, and machine tools, etc.

Provides industry's most cost effective and reliable motion control systems.

- Position mode: Pulse and Direction for stepper applications  
Click "[Application Guide](#)" for additional data.
- High resolution: 16 bit resolution for analog velocity, DC tachometer and current command.  
*An optional feature*
- Digitally tuned: All parameters set digitally. No potentiometers to adjust.  
RS-232 high speed serial communication interface for all gain and PID tuning parameters.
- High frequency PWM: 25KHz (Default)  
Optional 50KHz for smaller, low inductance, high response voice coil, brush and brushless motors.
- Fault protection: Short from output to output, short from output to ground, amplifier RMS over current, amplifier under/over voltage, amplifier over temperature, motor over temperature.
- Non-volatile memory: All parameters are stored in non-volatile memory for reliable start up.
- Inputs: +/- position limits, inhibit, fault, motor over temp, reset signal, and +/-10V analog inputs.
- Outputs: Fault signal, and encoder output.
- Analog output: Software selectable and scalable +/- 10V analog output signal for motor current, velocity, and commanded phase current, etc.  
*An optional feature*
- Sinusoidal commutation: For the ultimate in efficiency and smooth motion.
- Wide operating voltage: Amplifier module requires only one unregulated DC BUS voltage, ranging from 24 to 170VDC.
- Compact design: 5-3/4 in X 11-3/4 in baseplate - 4 axis including DC power supply.

