



PressRelease

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For Immediate Release

Galil's New 4-axis Amplifier Board Mounts Directly To Their DMC-21x3 Ethernet Motion Controller Without Any Wires

AMP-20540 board drives brush and brushless motors up to 500W

Rocklin, CA., June 24, 2003—Galil Motion Control, the industry innovator in motion control, continues to expand the options for its low-cost, DMC-21x3 Ethernet controllers with their new AMP-20540 servo amplifier board designed for driving four brushless or brush-type motors up to 500 watts. It attaches directly to the 96-pin DIN connector of Galil's DMC-2143 controller without the need for any cable or wiring.

“Adding the AMP-20540 to our growing family of low cost, high performance controller-and-drive sandwich combinations gives OEMs even greater choices and flexibility in putting together their motion control solutions,” says Lisa Wade, VP-Marketing and Sales. “By sandwiching an AMP-20540 to our DMC-21x3 controller, OEMs get cost-effective, multi-axis performance without complex wiring. It's also an attractive option to the high prices and complicated software inherent with networking single-axis controllers.”

For example, Galil's AMP-20540 four-axis model is priced at only \$495 in 100 unit quantities. When combined with Galil's DMC-2143 four-axis controller, which costs \$795 in 100 unit quantities, the combined amplifier/controller price per axis comes to less than \$325. Since the AMP-20540 attaches directly to the DMC-2143, there is no additional cabling or interconnect hardware required, providing even greater savings.

Galil's AMP-20440 contains four transconductance, PWM amplifiers on a single 6.92" x 4.85" board with each amplifier capable of producing up to 500 Watts. It accepts 18-60 VDC, produces 7 amps of continuous current, and has a PWM switching frequency of 60 kHz. Additionally, since the AMP-20540 is attached to the DMC-21x3 controller, the system offers programming and diagnostics capability. The AMP-20540 provides protection for over-current, short-circuit, under-voltage, over-voltage and over-temperature; and a new command, TA, which allows easy interrogation of errors and status. Quick set-up of hall sensors and proper alignment of brushless phases is ensured with the new BS command. The amplifier gain can be specified for .7, .4, or .2 Amp/Volts using another new command, AG.

For applications that require less than four amplifiers, Galil provides the AMP-20520 two-axis model. In addition to the AMP-20540 and AMP-20520, Galil provides other multi-axis amplifier boards that mate directly to their DMC-21x3 Ethernet motion controller. These four-axis amplifier boards include:

- SDM-20240 full- and half-step drives for four stepper motors
- AMP-20340 linear amplifiers for driving four 20-watt brush servo motors
- AMP-20440 PWM amplifiers for driving four 200-watt brush servo motors
- ICM-20100 interconnect for interface to external amplifiers

For a nominal tooling fee, Galil can create custom amplifier boards that mix-and-match amplifier types and power output per axis.

Typically half-the-size-and-price of box-level Ethernet controllers, Galil's DMC-21x3 series delivers such high performance features as 1-8 axis control of step or servomotors, 10-BaseT communications with RS232 port, and various modes of motion like point-to-point positioning, jogging, linear and circular interpolation, electronic gearing, ECAM and contouring.



For more information on the DMC-21x3 series and the AMP-20540 various amplifier options, contact Lisa Wade, VP-Marketing and Sales, at Galil Motion Control, Inc., 3750 Atherton Road, Rocklin, CA 95765, 800-377-6329, lisaw@galilmc.com, Ph. 916-626-0101, Fax 916-626-0102, www.galilmc.com. View complete specifications <http://www.galilmc.com/dmc21x3.html> and Galil's latest web-tutorial "Cost-effective Solutions Using the DMC-21x3 Ethernet Controller and Drives" at <http://www.galilmc.com/training/webconf.html>.

About Galil Motion Control, Inc.

Privately held and profitable for over 67 straight quarters, Galil Motion Control, Inc. was founded in 1983 by Jacob Tal, world-famous innovator and educator in motion control. Galil became the first company to produce a microprocessor-based servo motor controller without tachometer feedback. Since then, Galil has continued to advance motion control technology and has found industry-leading acceptance with over 300,000 controllers successfully installed worldwide. Various applications include machines for the medical, semiconductor, machine tool, food processing, and textile industries. Recently, Galil has introduced several motion controllers for the Ethernet, as well as a variety of servo amplifier boards.