



PressRelease

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For Immediate Release

GALIL'S NEW RIO-47120 SMART, ETHERNET I/O CONTROLLER PROVIDES BIPOLAR ANALOG I/O

Rocklin, CA—March 9, 2008—Galil Motion Control, an industry pioneer in motion control technology, now offers their new RIO-47120 Ethernet I/O controller that provides higher range and resolution of its analog inputs and outputs. The voltage range for the 8 analog inputs and 8 analog outputs is user-programmable at 0 to 5V, 0 to 10V, +/-5V and +/-10V. The resolution of the analog I/O is 12-bits standard, with 16-bits available as an option.

Priced at just \$245 in quantities of 100, the new RIO-47120 provides an intelligent, low-cost and compact solution for I/O. In addition to a RISC processor for intelligent I/O processing, the RIO contains 8 analog inputs, 8 analog outputs, 16 optically isolated inputs, 8 high-power isolated outputs rated at 500mA each, and 8 isolated outputs rated at 25 mA each. Multiple RIO units can be used in a system, allowing for easy I/O expansion.

The RIO includes an Ethernet 10/100Base-T port and RS232 port up to 115 Kbaud. It can be used stand-alone, connected to other I/O devices or connected to Galil Ethernet motion controllers including the DMC-40x0 Accelera or DMC-21x3 Econo controllers. For increased flexibility, Galil's RIO controllers also operate as a ModBus master or slave allowing them to communicate with multiple devices including PLCs.

Built-in, intelligent features include arithmetic and logical processing, symbolic variables, arrays, event triggers, pulse counters, and program memory with multitasking. Command processing is fast at 40 microseconds per instruction. Also, Galil's two-letter command language facilitates quick and easy programming. For those who use Ladder Logic programs, Galil provides software for converting them into Galil's programming language. Additionally, the RIO provides a web interface, and email capability for sending messages.

The RIO-47120 also includes two internal process control loops for applications that require tight control of a specific analog process such as temperature control. In these applications, the RIO controller provides special commands to be used for the process control loop. In addition to the PID compensation parameters, users can specify the set point and the loop rate. Process loop times as low as 1 msec can be programmed.

The compact RIO controller measures only 3.88" x 4.26" x 1.30" and comes packaged in a metal enclosure with D-type connectors for convenient interface. It receives power from Power-over-Ethernet (PoE) or from an external supply of 18V – 36V DC. LED indicators provide a convenient display of all digital inputs and outputs.

Available for immediate delivery, the RIO-47120 is \$345 in single quantity and \$245 in quantities of 100. The 16-bit resolution option is \$50 higher. For more information about Galil's RIO-471x0 Remote I/O controllers, visit

<http://www.galilmc.com/products/accelera/rio47100.html> or contact Lisa Wade, VP-Marketing and Sales, at Galil Motion Control, Inc., 270 Technology Way, Rocklin, CA 95765, Ph. 800-377-6329 or email lisaw@galilmc.com.

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About Galil Motion Control, Inc. (www.galilmc.com)

Privately held and profitable for over 87 consecutive quarters, Galil Motion Control, Inc. was founded in 1983 by Jacob Tal and Wayne Baron. 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 500,000 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 in addition to the latest generation Accelera controllers designed for ultra high-speed and performance.