DMC-22X0 OPTIMA

Product Data Sheet

DMC-2240

Four-axis Ethernet motion controller

CONTROLLED AXES	ETHERNET	SERIAL PORTS	PROCESSOR
4	**10/100BASE-T**	**2 RS232/422; up to 115 kbaud**	**32-bit**

Galil DMC-2240 is a four-axis standalone motion controller in the DMC-22x0 Optima range. Its Ethernet 10/100BASE-T interface and two serial ports connect a host application with coordinated servo or stepper motion, while the controller executes stored programs independently.

01 VERIFIED TECHNICAL DATA

Controlled axes	4
Ethernet	10/100BASE-T
Serial ports	2 RS232/422; up to 115 kbaud
Processor	32-bit
Encoder frequency	12 MHz maximum
Stepper pulse frequency	3 MHz maximum
Digital inputs	8 optoisolated
Digital outputs	8
Configurable digital I/O	64
Analog inputs	8; ±10 V; 12-bit standard

Source: DMC-2240.pdf

02 ADDITIONAL PRODUCT DATA

Motor command resolution	16-bit DAC
Program memory	1000 lines × 80 characters
Servo update period	375 µs standard, four-axis
Input supply	90–250 V AC; 50–60 Hz
Operating temperature	0–60 °C, enclosed controller

03 PRODUCT FUNCTION

The controller combines encoder feedback, 16-bit analog motor commands, pulse-and-direction outputs and programmable digital I/O. Point-to-point positioning, interpolation, electronic gearing and cam motion are supported, with PID compensation, feedforward and filtering available for servo tuning.

04 SYSTEM COMPATIBILITY

Configure each of the four axes for the fitted servo or stepper drive. Encoder polarity, amplifier enable, home and limit inputs must match the axis wiring; standard feedback capacity is 12 MHz and the stepper pulse limit is 3 MHz.

05 MANUFACTURER SOURCE

Galil official documentation: DMC-2240.pdf. Selected source pages: 1, 2, 4.

AMIKON PRODUCT SUPPORT
+86-18020776786 INFO@AMIKON.CN AMIKONG.COM