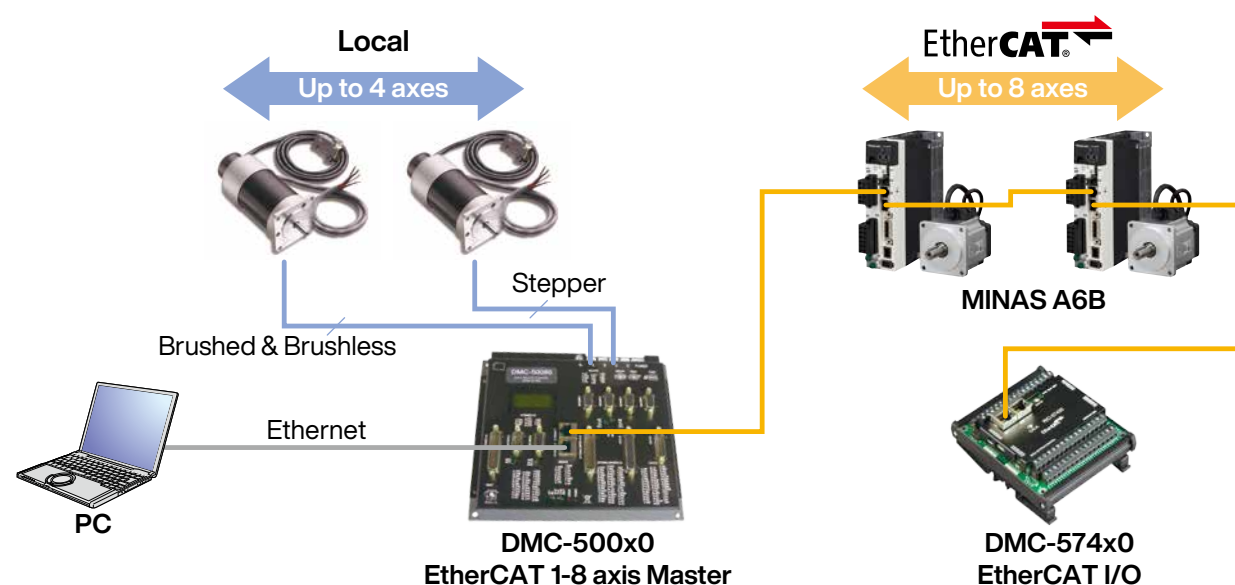# EtherCAT Master Controller

Model DMC-50000

Features

- ● Configurable controller for up to 8 axes of EtherCAT Master with any of the first 4 axes for local control or EtherCAT Master
- ● 10/100BASE-T Ethernet port; (1) EtherCAT Port; (2) RS232 ports up to 115 kbaud
- ● Available with internal, multi-axis servo or stepper drives. Or, connect to conventional external drives (only first four axes)
- ● For local axes, accepts up to 22 million counts per second of quadrature encoder for servos; Outputs up to 6 MHz for steppers; EtherCAT command speed up to 1 billion counts per second
- ● Sample times as low as 375 microseconds for 1-4 axes and 750 microseconds for 5-8 axes
- ● First four axes, advanced PID compensation with velocity and acceleration feedforward, integration limits, notch filter and low-pass filter
- ● Modes of motion include jogging, point-to-point positioning, position tracking, contouring, linear and circular interpolation, electronic gearing, ECAM and PVT
- ● Ellipse scaling, slow-down around corners, infinite segment feed and feed rate override
- ● Multitasking for concurrent execution of up to eight application programs
- ● Non-volatile memory for application programs (4000 Lines), variables and arrays (2400)
- ● Dual encoders for every local servo axis
- ● Optically isolated home input and forward and reverse limits for every local axis; Uses EtherCAT drive for home and limit switches
- ● Uncommitted, I/O: • 8 optically isolated inputs and 8 optically isolated outputs
  - • Isolated, high-power outputs for driving brakes or relays (local axis only)
  - • 8 uncommitted analog inputs
  - • High speed position latch and output compare
  - • 32 additional 3.3 V TTL I/O (5 V option)
  - • More I/O available with RIO PLC
- ● 2 line x 8 character LCD
- ● Accepts single 20 - 80 VDC input
- ● Communication drivers for Windows and Linux
- ● Custom hardware and firmware options available

System Configuration

Local — Up to 4 axes
Stepper
Brushed & Brushless
Ethernet
PC
DMC-500x0 EtherCAT 1-8 axis Master
Up to 8 axes
MINAS A6B
DMC-574x0 EtherCAT I/O

EtherCAT Master Controller
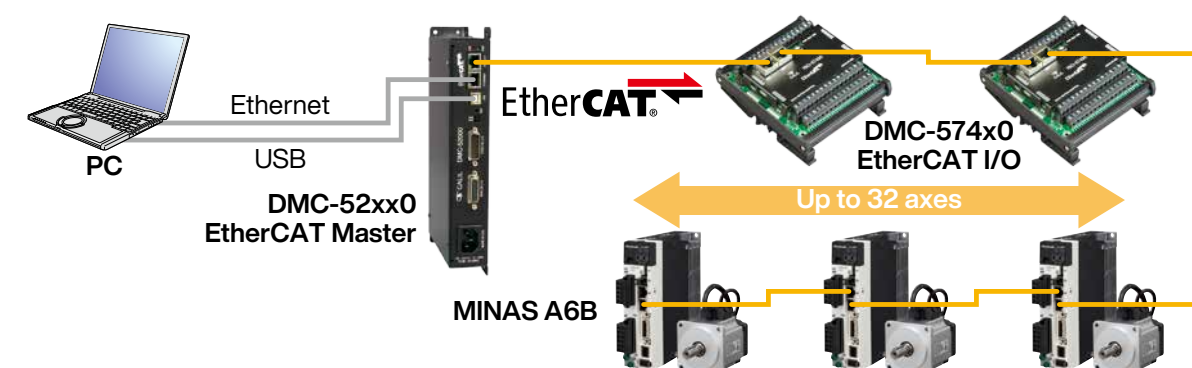
Model DMC-52000

Features

- ● Available in 2, 4, 8, 16, and 32 axis configurations
- ● 10/100BASE-T Ethernet port; (1) EtherCAT Port; (1)
- ● USB port
- ● EtherCAT cycle time 1000 microseconds
- ● Cyclic Synchronous Position mode (CSP)
- ● Modes of motion include jogging, point-to-point positioning, position tracking, contouring, linear and circular interpolation, electronic gearing, ECAM and PVT
- ● Ellipse scaling, slow-down around corners, infinite segment feed and feed rate override
- ● Multitasking for concurrent execution of up to eight application programs
- ● Non-volatile memory for application programs (4000 Lines), variables and arrays (2400)
- ● Inputs including forward limits, reverse limits, and homing inputs are located on drives that support these inputs
- ● Uncommitted, I/O: • 8 optically isolated inputs
  - • 8 optically isolated high powered outputs
  - • 8 uncommitted analog inputs
  - • 8 uncommitted analog outputs
  - • More I/O available with the RIO-47xxx or RIO-574x0
- ● Accepts single 120 - 240 VAC input
- ● Communication drivers for Windows and Linux

Application Sample

Customer Stories   URL: http://www.galil.com/learn/customer-stories
Sample DMC Code URL: http://www.galil.com/learn/sample-dmc-code

System Configuration

Ethernet
USB
PC
DMC-52xx0 EtherCAT Master
DMC-574x0 EtherCAT I/O
Up to 32 axes
MINAS A6B

Sales area

- ● **United States of America**

Galil Headquarters in California
World-wide sales network
Please see our rep finder tool or contact us for more details.
URL :
http://www.galil.com/order/find-reps-and-distributors

Language

- ● English

For more information

URL : http://www.galil.com/

● Contact: **Galil Motion Control, Inc.**

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