

EtherCAT Comm. Type 2-Phase Closed Loop Stepper Motor System

AiC-EC Series



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EtherCAT Comm. Type 2-Phase Closed Loop Stepper Motor System AiC-EC Series

The AiC-EC series Ai-SERVO closed-loop stepper motors with EtherCAT support offers high compatibility between primary and secondary devices with EtherCAT open protocol. The motor system can control motion of multiple axes simultaneously with 100 Mbps communication speed.

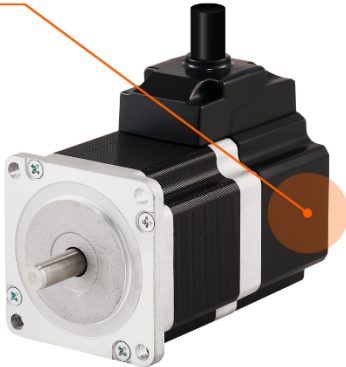


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1) Closed Loop Stepper Motor Control

The stepper motor system offers accurate and precise position control through feedback from the integrated encoder without the hassle of tuning and vibration of conventional servo motors.

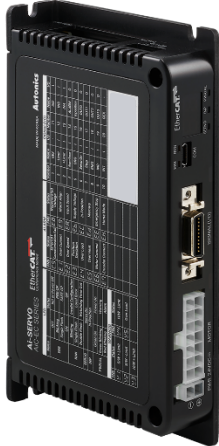
Encoder



Motor

PROs of Servo Motors

Real-time position control /
No missed steps



Driver



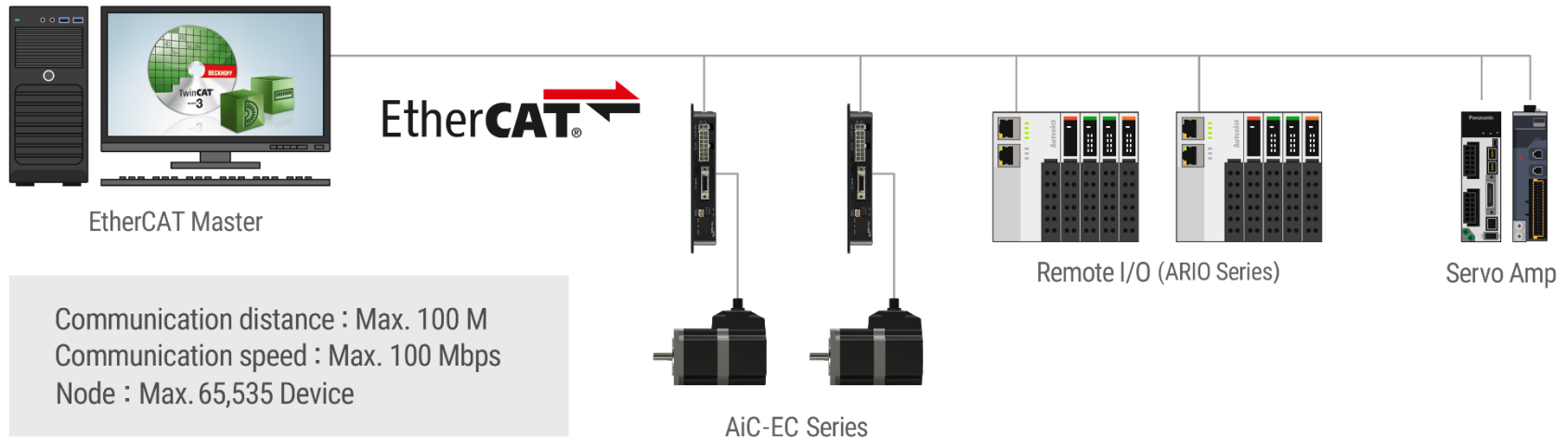
PROs of Stepper Motors

- Low speed high torque
- No hunting

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2) EtherCAT Communication Control

The AiC-EC series motor system can control motion of multiple axes simultaneously with 100 Mbps communication speed through EtherCAT. The motor system has completed the conformity test by EtherCAT Technology Group to ensure high compatibility between primary and secondary devices.



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3) Motion Control Software Provided (atMotion)

The intuitive user interface of the atMotion motion control software allows users to easily set parameters and monitor data.



atMotion



4) Built-in Brake Type Motors Available

The built-in brake type motor and drivers allow stable control of vertical loads.

The brakes are located towards the rear and the separate brake connector allows easy connection.

