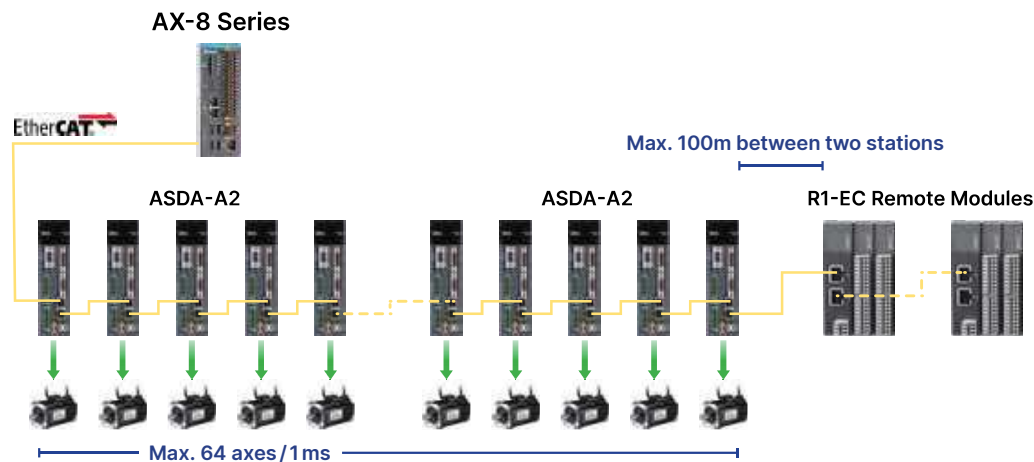


AX Series Motion Solution

Standalone Motion Controller AX-8

Supports EtherCAT and **DIADesigner-AX** Programming Software as a High-Performance Motion Control Solution for Various Industrial Applications

- Intel x86 CPU with fanless and compact design
- Provides low-voltage detection and data overwriting functions
- Supports EtherCAT, Modbus, and OPC UA protocols
- Supports 8 high-speed digital local inputs/outputs
- Synchronous servo control of up to 64 axes/1ms
- Built-in security IC system for enhanced software and hardware security
- IEC 61131-3 compliant software provides a standardized programming and controller development platform



Standalone Motion Controller AX-C **New**

Supports EtherCAT and **DIADesigner-AX** Software as a Compact Motion Control Solution for General OEM Applications

- Supports EtherCAT, Modbus, PROFONET and OPC UA protocols
- Built in 4 sets of 200kHz high speed input/4 axes of 200kHz pulse output
- Synchronous servo control of up to 12 axes/1ms
- IEC 61131-3 compliant software provides a standardized programming and controller development platform



Applications

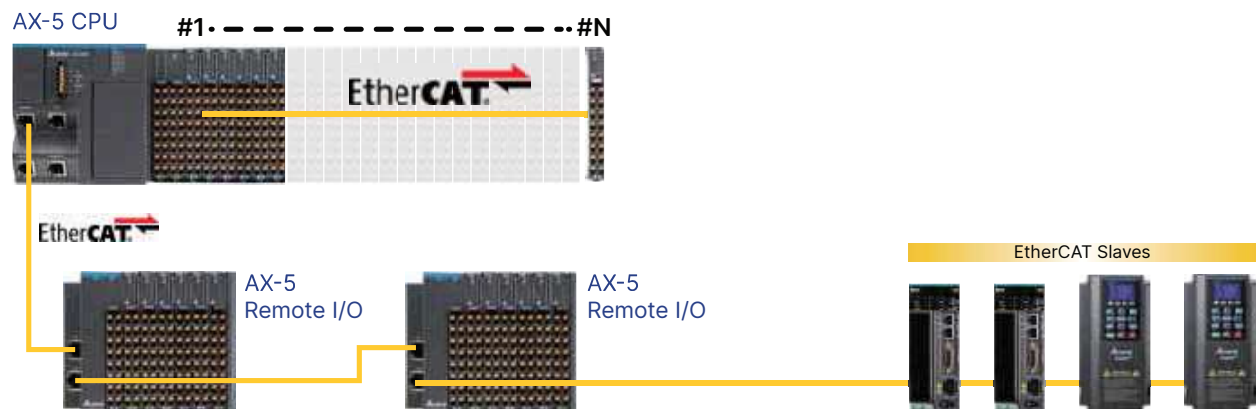
Electronic products assembly line, Electronics, Lithium battery, Logistics, Woodworking, Packaging, Printing

High-End IIoT Motion Controller AX-5 New



Provides a Real-Time EtherCAT I/O System and IIoT Capability for Advanced Motion Applications with **DIADesigner-AX** Programming Software

- Utilizes quad core processor to ensure both motion and data exchange performance
- AX-5 Series CPUs support up to 8/12/16/32/64-axis EtherCAT motion control ability
- High performance: Min. execution time of basic instruction is 1ns; min sync. time of AX-5 reaches up to 0.5 ms for 16 axes
- Supports new generation AX-5 series ultra slim power/digital/analog/temperature I/O modules (max. quantity: 4,096) and 100MHz EtherCAT system I/O bus
- Built-in EtherCAT, CANopen, PROFINET, Modbus, EtherNet/IP, OPC UA, MQTT, and FTP protocols
- Onboard USB Type A interface supports 3rd party Wi-Fi and Bluetooth dongles
- IEC 61131-3 compliant software provides a standardized programming and controller development platform, offering motion instructions such as position, velocity, torque, multi-axis interpolation, E-gear, E-CAM, and more



PLC-Based Motion Controller AX-3



Provides a Flexible Motion Solution for Various Applications with **DIADesigner-AX** Software and EtherCAT Communication

- AX-308E/AX-316E/AX-332E CPUs support up to 8/16/32-axis EtherCAT motion control ability (min. sync time of AX-332E: 0.5 ms for 16 axes)
- AX-304EL/AX-364EL CPUs support 4/64-axis EtherCAT point-to-point control ability
- Supports PLC AS series' power, DIO, AIO and temperature expansion modules (max. 32 modules)
- High performance: Min. execution time of basic instruction is 0.5ns (AX-332E)
- IEC 61131-3 compliant software provides a standardized programming and controller development platform, offering motion instructions such as position, velocity, torque, multi-axis interpolation, E-gear, E-CAM, and more
- Built-in 6~16 DI, 6~8 DO, incremental encoder (x1~2), SSI absolute encoder, RS-232/RS-485, Ethernet and EtherCAT ports

