Movensys, Inc.

EtherCAT

PC-Based, Advanced Soft Motion Controller

WMX3 with EtherCAT

All in One package

Motion API	Real-time OS	EtherCAT Master	Network API
Axis · I/O Test Console	Network Configurator	Motion Analysis Tool	Simulation Tool

WMX3

LAN port

Soft Motion

MINAS A6B

EtherCAT

EtherCAT I/O Modules, Stepping Motor Drivers
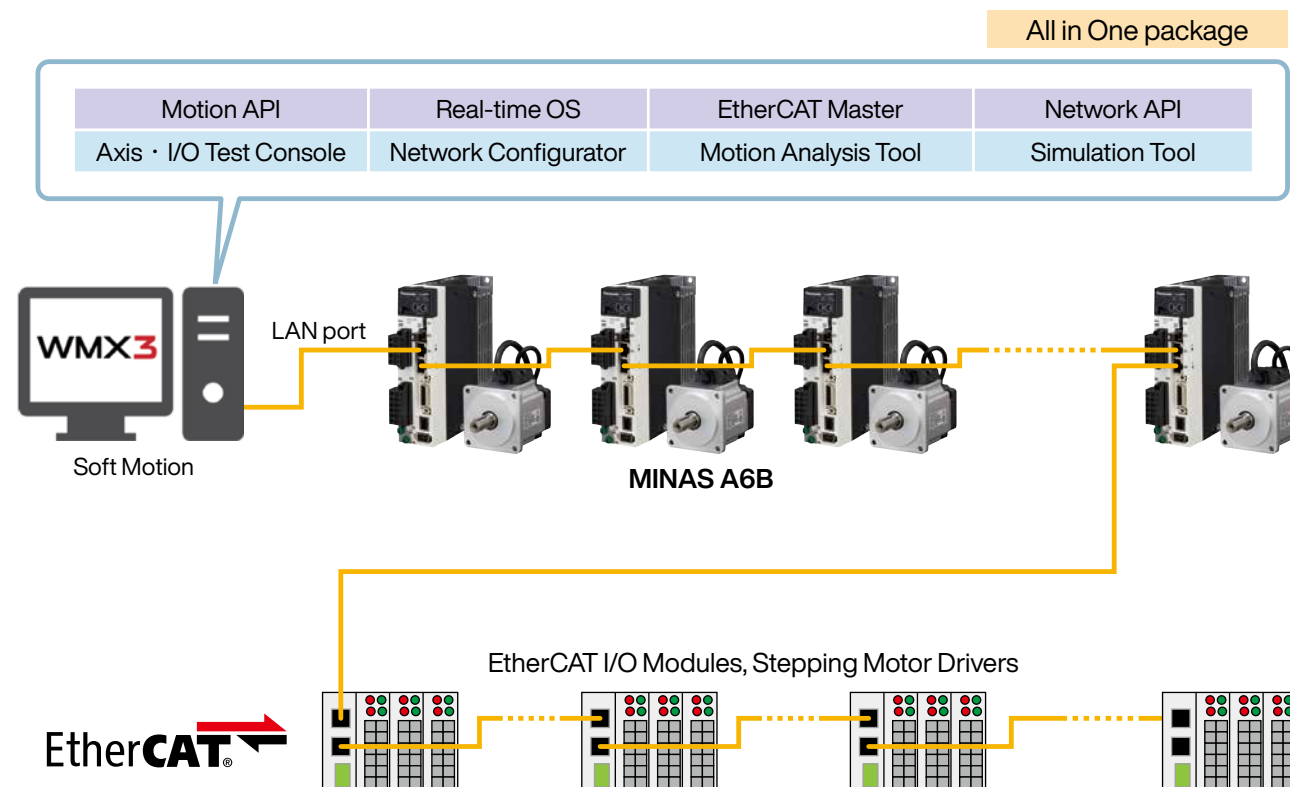
Features

● Soft Motion Controller WMX3 is a patented software which turns any Windows PC with multi-core CPU a high-speed real time controller for intricated industrial machines. No additional proprietary hardware interface modules or components are necessary.

● WMX3 streamlines its operation systems; it integrates operation screens, image processing and device control applications up to 128-axis.

● Wiring can be reduced by networking. Furthermore, wiring man-hours and material reduction can be realized. Contributes to noise immunity.

● Small cost effective Windows PC enables real time logging simultaneously with controlling various industrial devices. Allows the accumulation of data in the edge PC and instantly retrieves it whenever necessary for its host systems.

● Over 500 API functions for C/C++and .NET functions for EitherCAT communications, motion control, and I/O control are available to develop original user motion applications.

● Exclusively developed EtherCAT SoftMaster is highly compatible with other slave machines on the market. Allows 32-axis high-speed synchronous communication at 250 μs. Full customer support for transmission and connection problems.

● SDK installed with WMX3 allows for customized motion control systems for various operation needs.

Open Innovation

● Allow customers implement own algorithm as Real-Time engine based on opened architecture of WMX3.

● Provide Wizard and Add-on in Visual Studio for convenient development using WMX3 SDK.
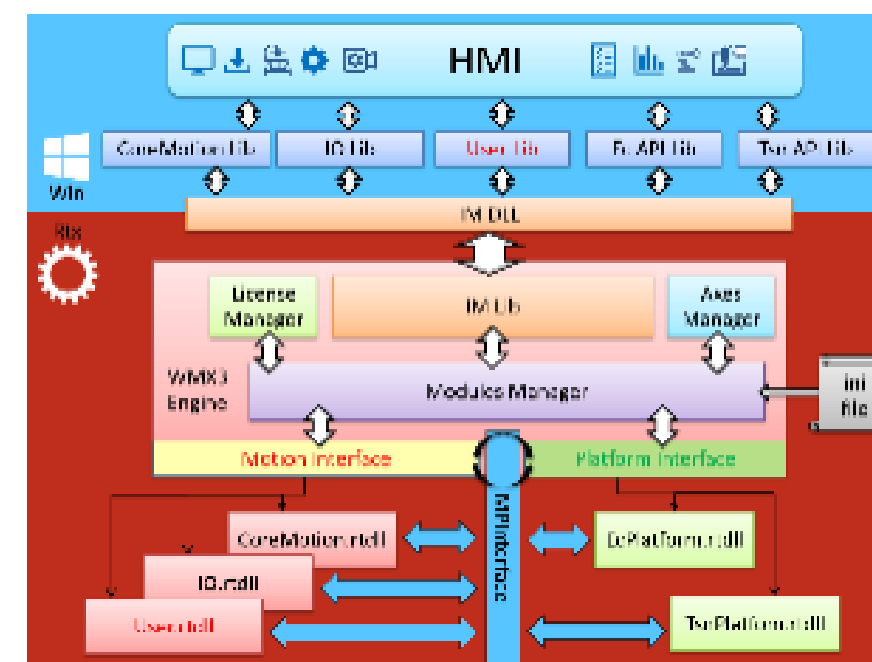
Robot Control Package (Option)

● Real-time synchronization control is possible with only one computer with up to 128 axes, including robots and general-purpose axes.

● Control application can be independently developed through APIs of robot option.

● Provide kinematics, reverse kinematics and closed linkage machines for various industrial robots.

(6-axis vertical poly joints, SCARA, delta, etc.)

● Support structure and link offset.

Sales area

● Asia   ● North America   ● Europe

Language

● Korean   ● Japanese
● English   ● Chinese

For more information

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