



NEWS RELEASE

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Yaskawa Enhances Machine Controller Hardware and Software

Waukegan, Ill. (July 7, 2009) – Yaskawa Electric America, Inc. is pleased to announce the release of MotionWorks IEC Pro and MP2310iec, which are important additions to the MotionWorks IEC / MP2000iec Product Series.

MotionWorks IEC Pro

MotionWorks IEC Pro is a new Integrated Development environment based on the IEC61131-3 international programming standard. MotionWorks IEC Pro is built upon the same code as our proven MotionWorks IEC Express software including all additions made to the MotionWorks IEC Express software since the May 2008 release. The Pro version allows users to program in Sequential Function Chart language, configure projects with up to 16 tasks, and support all of the MP2000iec controller models.



Product	MotionWorks IEC Express	MotionWorks IEC Pro
Model Number	PDE-U-IECSA	PDE-U-IECPA
Languages	PLCopen Function Blocks Ladder Diagram Structured Text	PLCopen Function Blocks Ladder Diagram Structured Text Instruction List Sequential Function Chart
Tasks	Single Task	16 Tasks
Modes of Motion	Homing, Jogging, Positioning, Gearing, Registration and Camming	
Controllers Supported	MP2300Siec (9 models), MP2310iec (3 models)	
Operating Systems	Windows XP, Windows Vista	

MP2310iec Controller

The MP2310iec machine controller offers three new models that allow up to three local modules of digital or analog I/O to be controlled. The MP2310iec controller includes the following:

- **Communication Protocols** - open standards EtherNet/IP and Modbus/TCP for connectivity to nearly every HMI and PLC on the market.
- **Standard Programming Languages** - IEC61131-3 means that programs are developed and executed with predictable behavior.
- **Programmable Amplifier Outputs** - the controller can operate local Sigma-5 outputs. This reduces panel cost and space requirements when just a couple of outputs are necessary.
- **Controller-Centric Commissioning** - the MECHATROLINK motion network provides a channel for configuring the machine from a single location with one software tool even when complex motion such as camming or gearing functions are required.
- **A Multitude of Options** - choose from eight option cards offered for the three expansion slots to accommodate most machine requirements.
- **Expandable I/O** - numerous third-party remote I/O modules such as Phoenix, Wago, and Opto 22 can be interfaced with the system via the MECHATROLINK, EtherNet/IP or Modbus/TCP networks.
- **Built-in Web Server** - offers standard controller diagnostic information eliminating the need for special software for maintenance personnel.

MotionWorks IEC Express users will need to [upgrade to v1.1.2.7](#) in order to configure a MP2310iec system.

MP2000iec Series	MP2300Siec	MP2310iec
Controller		
Number of option module slots	1	3
CPU	SH4 (240 MHz)	SH4 (240 MHz)
Variable Memory	1.75 MB	2.5 MB
Ethernet Hardware	1 port (100 mbps)	
Ethernet Protocols	EtherNet/IP Modbus/TCP Web Server	
Controlled Axes	4, 8, or 16	
Supported Modules	LIO-01, LIO-02, LIO-04, LIO-05, LIO-06, AI-01, AO-01, DO-01	
Software	MotionWorks IEC Express MotionWorks IEC Pro	

MP2310iec Model Numbers

Part Number	Description
PMC-U-MP23104	4 axis controller with 3 open slots
PMC-U-MP23108	8 axis controller with 3 open slots
PMC-U-MP23116	16 axis controller with 3 open slots

OPC Server Update

The MP2000iec [OPC Server](#) is optional software which provides data exchange between Windows applications and MP2000iec controllers via the manufacturer-independent client/server interface OPC (OLE for Process Control). OPC servers are commonly used to provide machine data to HMIs and SCADA systems in a standardized format. The MP2000iec OPC Server runs on Microsoft Windows 2000, XP, or Vista operating systems.

The OPC Server part numbers and descriptions are shown below:

Part Number	Description
PDE-U-OPCPA	1 License
PDE-U-OPCPB	5 Licenses
PDE-U-OPCPC	10 Licenses
PDE-U-OPCPD	25 Licenses

In 1967, Yaskawa Electric America, Inc., a U. S. corporation, was created to provide automation solutions and support to customers in North and South America. Established in 1915, Yaskawa Electric Corporation is a leading manufacturer of Mechatronics products including variable speed AC drives, servos, machine controllers, and robots. Yaskawa holds international quality excellence awards, including the prestigious Deming Application Prize and its products are manufactured in ISO-9001:2000 registered facilities.

For more information on the MotionWorks IEC Mechatronic Control System, contact Yaskawa Electric America, Inc. 2121 Norman Drive South, Waukegan, Ill., 60085, at (800) YASKAWA (927-5292), (847) 887-7310 (fax), or visit our website at www.yaskawa.com.

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