

YASKAWA ELECTRIC CORPORATION

Compact All-in-one Machine Controller MP2300S

Features

- The MP2300S is a compact all-in-one machine controller. It has one empty slot to add another module and also a basic module whose standard functions include those of a CPU module, an SVB module, and an Ethernet (100 BASE-TX) module.
- The MP2300S controller can control 32 axes when an SVB-01 module is mounted.
- A synchronous distributed system for synchronous control of slave CPUs can be constructed with MECHATROLINK.
- Most modules used with the MP2200 controller can also be mounted in the MP2300S empty slot.
Model: JEPMC-MP2300S-E



MP2300S

Specifications

Item	Specifications
Control Method	Motion control with MECHATROLINK- I or II using position, speed, and torque references
Number of Controlled Axes	MECHATROLINK- I : 14 axes max. MECHATROLINK- II : 16 axes max. (when only a basic module is mounted), and 32 axes max. (when one SVB-01 module is mounted)
Applicable Servo Drivers	MECHATROLINK- I : SERVOPACKs in the SGD-□□□N, SGDB-□□, SGDS, or SGDH series with a JUSP-NS115 or JUSP-NS100 application module MECHATROLINK- II : SERVOPACKs in the SGDS or SGDH series with a JUSP-NS115 application module, and SERVOPACKs in the SJDE-□□AN□ series
Reference Unit Minimum Setting	1, 0.1, 0.01, 0.001, 0.0001, 0.00001 (Units: mm, inch, deg, pulse, μm)
Max. Programmable Value	-2147483648 to 2147483647 pulses (signed 32-bit value). Unlimited feeding is also available.
Motion Commands	Positioning, linear interpolation, circular interpolation, zero-point return, skip, set time positioning, and external positioning
Fast-forward Speed	1 to 2147483647 [Reference Units/min]
Interpolation Feed Speed	1 to 2147483647 [Reference Units/min]
Override Function	0.01% to 327.67% (Positioning: by axis; Interpolation: by group)
Acceleration/Deceleration Control	Linear, asymmetric, and S-curve

MECHATROLINK specifications

		M- I	M- II	
		17-byte	17-byte	32-byte
Command	Servo	×	×	×
	Stepping Motor Drivers	×	×	×
	Intelligent I/O	×	×	×
	Simple I/O	×	×	×
	Inverter	×	×	×
Transmission cycle		2ms	0.5ms, 1ms, 1.5ms, 2ms	

Contact Information

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America: U.S.A., Brazil, Canada, Mexico

Asia Pacific: China, Korea, Taiwan, Singapore, India

Europe: Germany, Sweden, Israel, Italy, France, Spain, Finland, Netherlands, Slovenia, Czech republic, Turkey