

## YASKAWA ELECTRIC CORPORATION

### All-in-one Machine Controller MP2300

#### Features

- The MP2300 is an all-in-one machine controller. It has three slots for other modules and a basic module whose standard functions include those of a CPU module, an SVB module, and an I/O module.
- The CPU can be used to control 48 axes (when two SVB-01 modules are mounted).
- Most modules used with the MP2200 controller can be mounted in the MP2300 empty slots.

Model: JEPMC-MP2300-□□□

Note: The alphanumeric character indicated by the square, (□), varies in accordance with the combination of modules mounted in the empty slots.



MP2300

#### 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 48 axes max. (when two SVB-01 modules are mounted)
Applicable Servo Drivers	MECHATROLINK- I : SERVOPACKs in the SGD-□□□□N, SGDB-□□□, SGDS, or SGDH series with a JUSP-NS100 or JUSP-NS115 application module. MECHATROLINK- II : SERVOPACKs in the SGDS or SGDH series with a JUSP-NS115 application module.
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	0.001 to 327.67% (Positioning: by axis; Interpolation: by group)
Acceleration/Deceleration Control	Linear, asymmetric, 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