

## YASKAWA ELECTRIC CORPORATION

### Flexible Machine Controller MP2200

#### Features

- The MP2200 can be greatly expanded. 9 optional modules can be mounted in one rack and 4 racks can be connected.
- The CPU modules for the MP2200 can be used to realize a highspeed, motion-control cycle of 0.5 ms and control of 256 axes.

Models:

[Base Units]

JEPMC-BU2200 (85 VAC to 276 VAC)

JEPMC-BU2210 (24 VDC ± 20%)

[CPU Modules (indispensable)]

JAPMC-CP2200 (Memory: 7.5Mbytes)

JAPMC-CP2210

(USB port × 1, Compact Flash card slot × 1, Memory : 11.5Mbytes)



MP2200

#### 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 one SVB-01 module is mounted), and 256 axes max. (when sixteen SVB-01 modules are mounted)
Applicable Servo Drivers	MECHATROLINK- I : SERVOPACKs in the SGD-□□□□N, SGDB-□□, SGDS, or SGDH series with a JUSP-NS110 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	0.01% to 327.67% (Positioning: by axis; Interpolation: by group)
Acceleration/Deceleration Control	Linear, asymmetric, S-curve, and index.

#### 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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YASKAWA has sales and after-sales service all around the world.

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