

YASKAWA ELECTRIC CORPORATION

Board-type Machine Controller MP2100, MP2100M

Features

- The MP2100 machine controller is half the size of a standard PCI board. It completely blends motion control with sequence control. Simply mount the plug-and-play MP2100 board in a PC, and it is ready for high-speed communications. Total support from design to maintenance is also available.
- The MP2100M has the same specifications as the MP2100 except that it contains a board that has functions similar to the SVB-01 module.
 Models:
 JAPMC-MC2100 (MP2100), JAPMC-MC2140 (MP2100M)



MP2100, MP2100M

Specifications

Item	Specifications
Control Method	Motion control with MECHATROLINK- I or-II using position, speed, and torque references.
Number of Controlled Axes	MP2100 : 16 axes max. MP2100M : 32 axes max.
Applicable Servo Drivers	MECHATROLINK- I : SERVOPACKs in the SGD-□□□□N, SGDB-□□□, SGDS, or SGD series with a JUSP-NS110 or JUSP-NS115 application module. MECHATROLINK- II : SERVOPACKs in the SGDS or SGD 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	MP2100 : 1ms, 1.5ms, 2ms MP2100M : 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