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 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	MP2100 : 1ms, 1.5ms, 2ms MP2100M : 0.5ms, 1ms, 1.5ms, 2ms	

Contact Information

Please access **YASKAWA website (Please click. Then you can access.)**
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

MECHATROLINK