YASKAWA
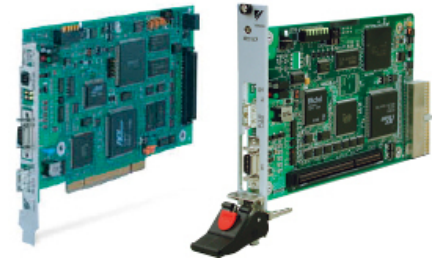
YASKAWA ELECTRIC CORPORATION

Board-type Machine Controller MP2110, MP2110CP, MP2110M, MP2110MCP

Features

- MP2110 and MP2110CP machine controllers provide improved throughput from host computers to servomotors.
  The MP2110 has a half-size PCI bus and the MP2110CP has a 3U Compact PCI bus. Attain high-speed motion and I/O control of connected devices from the host computer.
  The shared memory has been publicly disclosed, so the host computer is not limited to running any one operating system (OS).

- With a two-channel MECHATROLINK port, the processing speed of the MP2110M and MP2110MCP machine controllers is twice that of the MP2110 machine controllers.
  Models:
  JAPMC-MC2110 (MP2110), JAPMC-MC2130 (MP2110M)
  JAPMC-MC2150 (MP2110CP), JAPMC-MC2170 (MP2110MCP)

MP2110, MP2110CP
MP2110M, MP2110MCP

Specifications

Item	Specifications
Control Method	Motion control with MECHATROLINK-Ⅰ or -Ⅱ using position, speed, and torque references.
Number of Controlled Axes	MP2110CP : 21 axes max. MP2110MCP : 42 axes max.
Applicable Servo Drivers	MECHATROLINK-Ⅰ : SERVOPACKs in the SGDS or SGDH series with a JUSP-NS115 or JUSP-NS100 application module. MECHATROLINK-Ⅱ : SERVOPACKs in the SGDV, SGDS, or SGDH series with JUSP-NS115 application module.
Reference Unit Minimum Setting	1=1 reference unit
Max. Programmable Value	-2147483648 to 2147483647 pulses (signed 32-bit value)
Operating System	MECHATROLINK mode/command mode: Any OS can be used. APi mode: RTLinux (Model: CPMC-MPA710) RTX (Model: CPMC-MPA711) INtime (Model: CPMC-MPA713) Windows Driver (Model: CPMC-MPA712T1)
Fast-forward Speed	1 to 131068000 [reference unit/s]
Interpolation Feed Speed	1 to 65535999 [reference unit/s]
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, 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