

YASKAWA ELECTRIC CORPORATION

Board-type Machine Controller MP2111T, MP2111TM, MP2111TMCP

Features

- MP2111T and MP2111TM and MP2111TMCP machine controllers provide improved throughput from host computers to servomotors with MECHATROLINK-III. The MP2111T and MP2111TM has a half-size PCI bus and the MP2111TMCP has a 6U 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 MP2111TM and MP2111TMCP machine controllers is twice that of the MP2111T machine controllers.
- Models:
 JAPMC-MC2112T-E (MP2111T)
 JAPMC-MC2132T-E (MP2111TM)
 JAPMC-MC2172T-E (MP2111TMCP)



Specifications

Item	Specifications
Control Method	Motion control with MECHATROLINK-III using position, speed, and torque references.
Number of Controlled Axes	MP2111T : 21 axes max. MP2111TM, MP2111TMCP: 42 axes max.
Applicable Servo Drivers	SGDV-□□□□21□ SGDV-□□□□25□
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, RTX, INtime are available.
Fast-forward Speed	1 to 2097152000 [reference unit/s]
Interpolation Feed Speed	1 to 131068000 [reference unit/s]
Acceleration/Deceleration Control	Linear, asymmetric, S-curve, and index.

MECHATROLINK specifications

		M-III			
		16-byte	32-byte	48-byte	64-byte
Profile	Standard servo	-	-	×	-
	Standard I/O	×	×	×	×
	Standard Stepping Motor Drivers	-	-	×	-
	Standard Inverter	-	×	-	×
Transmission cycle		125 μs, 250 μs, 500 μs, 1ms			

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