

# Controlle

M-4 M-III

Category M-II Category3 (★★★)

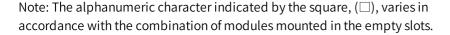
# YASKAWA ELECTRIC CORPORATION

## All-in-one Machine Controller MP2300

#### **Features**

- The MP2300 is an all-in-one machine controller. It has three slots for other modules and a basic module whose standard functions include those of a CPU module, an SVB module, and an I/O module.
- The CPU can be used to control 48 axes (when two SVB-01 modules are mounted).
- Most modules used with the MP2200 controller can be mounted in the MP2300 empty slots.

Model:JEPMC-MP2300-□□□





MP2300

## **Specifications**

| Item                              | Specifications   |  |  |
|-----------------------------------|--|--|--|
| Control Method                    | Motion control with MECHATROLINK-   or -    using position, speed, and torque reference  |  |  |
| Number of Controlled Axes         | MECHATROLINK-   : 14 axes max.<br>MECHATROLINK-    : 16 axes max. (when only a basic module is mounted), and 48 axes max.<br>(when two SVB-01 modules are mounted) |  |  |
| Applicable Servo Drivers          | MECHATROLINK- I: SERVOPACKs in the SGD- \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \  |  |  |
| 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                 | 0.001 to 327.67% (Positioning: by axis; Interpolation: by group)   |  |  |
| Acceleration/Deceleration Control | Linear, asymmetric, S-curve  |  |  |

# **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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America: U.S.A., Brazil, Canada, Mexico

Asia Pacific: China, Korea, Taiwan, Singapore, India

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