

YASKAWA ELECTRIC CORPORATION

Compact All-in-one Machine Controller MP2300S

Features

- The MP2300S is a compact all-in-one machine controller. It has one empty slot to add another module and also a basic module whose standard functions include those of a CPU module, an SVB module, and an Ethernet (100 BASE-TX) module.
- The MP2300S controller can control 32 axes when an SVB-01 module is mounted.
- A synchronous distributed system for synchronous control of slave CPUs can be constructed with MECHATROLINK.
- Most modules used with the MP2200 controller can also be mounted in the MP2300S empty slot.
Model: JEPMC-MP2300S-E



MP2300S

Specifications

| Item | Specifications |
|-----------------------------------|--|
| Control Method | Motion control with MECHATROLINK- I or II using position, speed, and torque references |
| Number of Controlled Axes | MECHATROLINK- I : 14 axes max. MECHATROLINK- II : 16 axes max. (when only a basic module is mounted), and 32 axes max. (when one SVB-01 module is mounted) |
| Applicable Servo Drivers | MECHATROLINK- I : SERVOPACKs in the SGD-□□□N, SGDB-□□, SGDS, or SGDH series with a JUSP-NS115 or JUSP-NS100 application module MECHATROLINK- II : SERVOPACKs in the SGDS or SGDH series with a JUSP-NS115 application module, and SERVOPACKs in the SJDE-□□AN□ series |
| 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, and 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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Asia Pacific: China, Korea, Taiwan, Singapore, India

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