

## YASKAWA ELECTRIC CORPORATION

### Integrated Machine Controller MP3200

Category  
Category3 (★★★)

#### Features

- Realized optimal machine system by fusing the motion, vision, and robot system that essential to machine controlling.
- Productivity improved by high-speed application processing, maximum speed, 125µs.
- Multi-function (MECHATROLINK-III, Ethernet port and USB port)



MP3200

Power Supply Unit	JEPMC-PSA3012-E	AC Power Supply Unit (AC85 to 276V input)
	JEPMC-PSD3012-E	DC Power Supply Unit (DC24V input)
CPU Unit	JEPMC-CP3201-E	High-Speed Scan setting (minimum scan setting : 125µs) Program Memory : 32MB, M register <sup>*1</sup> : 1M word, G register <sup>*2</sup> : 2M word
	JEPMC-CP3202-E	High-Speed Scan setting (minimum scan setting : 125 s) Program Memory : 32MB, M register <sup>*1</sup> : 1M word, G register <sup>*2</sup> : 2M word
MP2000 Option/Base Unit	JEPMC-BUB3005-E	5 slots (for MP2000 option module)
	JEPMC-BUB3008-E	8 slots (for MP2000 option module)
Vision Unit	JEPMC-YVD3001-E	5 million pixel digital camera × 4 system, standalone trigger, easy-vision programming

\*1: Battery back-up data. \*2: General use of Medium capacity register with no battery back-up.

#### Specifications

Item	Specifications
Control functions	MECHATROLINK-III is a standard feature (MECHATROLINK- I / II / III: available with option module)
Number of Controlled Axes	MECHATROLINK-III: 32 axes (built-in), Maximum 256 axes (with option module) (MECHATROLINK- I : 14 axes/lines, MECHATROLINK- II : axes/lines)
Controlled Servo Drive	MECHATROLINK- I : SGD- □□□N series, SGDB-□□□series, SGDS series, SGDH series +JUSP-NS115 or JUSP-NS110 MECHATROLINK- II : SGDS series, SGDH series +JUSP-NS115, SGD series MECHATROLINK-III: SGD series
Controlled Unit (minimum reference unit)	1/0.1/0.01/0.001/0.0001/0.00001 (unit : mm, inch, deg, pulse)
Functions controlled by the motion program	positioning, linear interpolation, circular interpolation, homing, skip-reference, time-setting positioning and external positioning
Rapid traverse speed	1 to 2147483647 (reference unit)
Interpolation traverse speed	1 to 2147483647 (reference unit)
Override	0.001 to 327.67% (positioning axes unit, interpolation:set with group unit)
Accel/decel Processing	linear, non-symmetric, S-curve

#### 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

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