

CONTROLLER HARDWARE

MPIec Machine Controllers offer a wide range of hardware for applications ranging from 1 to 62 axes. All controllers are equipped with the reliable MECHATROLINK motion network.

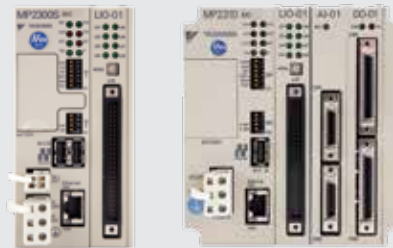
MP2600IEC / SIGMA-7 SIEC

- SERVOPACK amplifier and motion controller in one device
- Processor Speed: 200 MHz
- Motion Network: Dual Port RAM access
- Motion Networks Speed: As fast as 1 ms
- Network Capability: OPC, EtherNet/IP, Modbus TCP
- Axis Count: 1.5 / 1



MP2300SIEC / MP2310IEC

- Processor Speed: 200 MHz
- Motion Network: MECHATROLINK-II
- Motion Networks Speed: As fast as 1 ms
- Network Capability: OPC, EtherNet/IP, Modbus TCP
- Axis Count: 4, 8 or 16
- Option Card Slots: 1 or 3



MP3300IEC

- Processor Speed: 400/800 MHz
- Motion Network: MECHATROLINK-III
- Motion Network Speed: As fast as 0.25 ms
- Network Capability: OPC, EtherNet/IP, Modbus TCP
- Axis Count: 4, 8, 20 or 32
- Option Card Slots: 1 or 3



MP3200IEC

- Processor Speed: 1 GHz
- Motion Network: MECHATROLINK-III
- Motion Networks Speed: As fast as 0.25 ms
- Network Capability: OPC, EtherNet/IP, Modbus TCP
- Axis Count: 4, 8, 16, 32 or 62
- Option Card Slots: 3, 5 or 8



SYSTEM COMPONENTS

MECHATROLINK-III Network Components			
Description	Part Number	Notes	
MP3200iec	CPU Module	PMC-U-MP320 □□	□□: Maximum number of MECHATROLINK Axes: 04:4 • 08: 8 • 16:16 • 32:32 • 62:62
	Power Supply Module	JEPMC-PS□3012-E	□: Input Power D: 24VDC • A: 100/200 VAC
	Option Module Rack	JEPMC-BUB300□-E	For optional I/O modules □: Slot number: 3:3 slots • 5: 5 Slots • 8: 8 Slots
MP3300iec	CPU Module	PMC-U-MP33#□□	#: 0: Standard CPU • 3: Medium CPU □□: Maximum number of MECHATROLINK Axes: 04:4 • 08: 8 • 20:20 • 32:32 (Note: Standard CPU up to 20 axes, Medium CPU in 20 and 32 axes only)
	Power and Option Rack	JEPMC-BU330□-E	□: Number of slots: 4: 1 slot, 3: 3 slots
MECHATROLINK-II Network Components			
Description	Part Number	Notes	
MP2300Siec	Controller	PMC-U-MP23S □□	without I/O module
		PMC-U-MP23S □□L1	with factory installed LIO-01
		PMC-U-MP23S □□L2	with factory installed LIO-02
MP2310iec	Controller	PMC-U-MP231 □□	without I/O module
Single-Axis Controller Option with SERVOPACK			
Description	Part Number	Notes	
MP2600iec	Controller/Sigma-5	SGDV□□□□E1A002000300	□□□□: denotes output capacity and voltage of Σ-V SERVOPACK
	Controller/Sigma-7	SGD7S□□□□EOA000300	□□□□: denotes output capacity and voltage of Σ-7 SERVOPACK
Sigma-7Siec	Controller/Sigma-7	SGD7S□□□□MOA000F50	□□□□: denotes output capacity and voltage of Σ-7 SERVOPACK
MECHATROLINK-III Network Components			
Description	Part Number	Notes	
Software	MotionWorks [®] IEC Express	PDE-U-IE□Sx	□: Software Version: 2:2 - 3:3 x: License Type: E: Electronic
	MotionWorks IEC Pro	PDE-U-IE□Px	□: Software Version: 2:2 - 3:3 x: License Type: E: Electronic • H: Floating License
	MotionWorks IEC OPC Server	PDE-U-OPCPx	x: Licenses: A:1 • B:5 • C:10 • D: 20
Option Cards (for MP3200iec, MP3300iec, MP2300Siec, MP2310iec)	JAPMC-AN2300	Analog Inputs (AI-01)	(8) channels; +/- 10V @ 16-bit resolution @ 20kΩ or 4-20mA @ 15-bit @ 250Ω
	JAPMC-AN2310	Analog Outputs (AO-01)	(4) channels; +/- 10V @16-bit resolution; 5mA max load current
	JAPMC-DO2300	Output Module (DO-01)	(64) 24VDC sinking outputs; IOmA/output
	JAPMC-IO2300-E	I/O Module (LIO-01)	(16) 24VDC sinking or sourcing inputs; (16) 24VDC sinking outputs; IOmA/output;(1) Encoder Counter; A/B/C channels; differential; latch response time 5μs; max frequency 500kHz
	JAPMC-IO2301-E	I/O Module (LIO-02)	(16) 24VDC sinking or sourcing inputs; (16) 24VDC sinking outputs; IOmA/output; (1) Encoder Counter; A/B/C channels; differential; latch response time 5μs; max frequency 500kHz
	JAPMC-IO2303	I/O Module (LIO-04)	(32) 24VDC sinking or sourcing inputs; (32) 24VDC sinking outputs; IOmA/output
	JAPMC-IO2304	I/O Module (LIO-05)	(32) 24VDC sinking or sourcing inputs; (32) 24VDC sourcing outputs; 100mA/output
	JAPMC-IO2305-E	Multi-Function (LIO-06) I/O Option Module	Analog/Digital/Encoder
JAPMC-CM2301-E	Communications Option (28IF-Y1)	(1) Ethernet port 10 MBit; (1) RS232 port	
Terminal Block Conversion Kits	CBK-U-MP2A-□□	For LIO-01/02	□□: Cable Length: A5:0.5m • 01: 1.0m • 03: 3.0m
	CBK-U-MP2B-□□	For LIO-04/05/06/ MP2600iec	
	SBK-U-VBA-□□	For SGD Servo Amp- CN1	