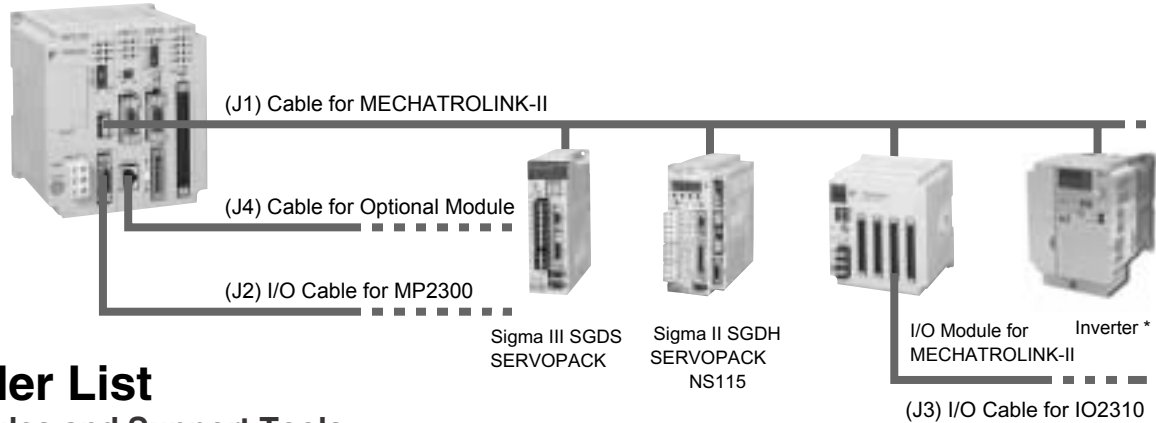


# System Configuration



## Order List


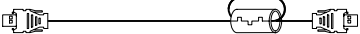

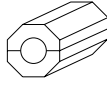

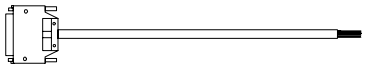



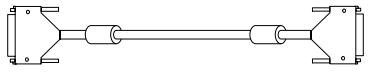
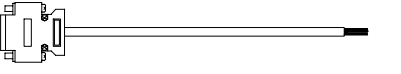

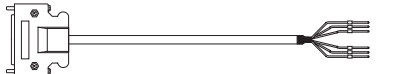
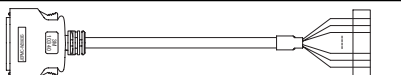
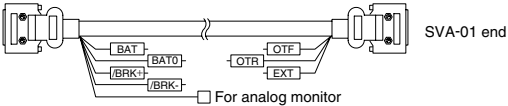
### Modules and Support Tools

Classifications	Products	Model Name	Model	Specifications
Basic Module	MP2200 Base Unit	MBU-01	JEPMC-BU2200	100 VAC/200 VAC input base unit
		MBU-02	JEPMC-BU2210	24 VDC input base unit
	MP2300 Base Unit	MP2300	JEPMC-MP2300	MECHATROLINK-I and MECHATROLINK-II communication; 8-point input and 4-point output
	Slot Cover	-	JEPMC-OP2300	Slot cover for any empty slots (MP2200 or MP2300)
CPU Module	CPU-02 Module	CPU-02	JAPMC-CP2210	CPU module for MP2200, with CF card slot and USB port Note: A battery (JZSP-BA01) for backup data is provided
	Connection Module	EXIOIF	JAPMC-EX2200	Expansion interface for MP2200
Communication Modules (Optional)	General-purpose Serial Communication Module	217IF-01	JAPMC-CM2310	RS-232C/RS-422 communication
	Ethernet Communication Module	218IF-01	JAPMC-CM2300	RS-232C/Ethernet communication
	DeviceNet Communication Module	260IF-01	JAPMC-CM2320	RS-232C/DeviceNet communication
	Profibus Communication Module	261IF-01	JAPMC-CM2330	RS-232C/PROFIBUS communication
Local Slot Motion Modules	Analog Output	SVA-01	JAPMC-MC2300	2 axis, Six 24VDC I/O
	MECHATROLINK-II Network	SVB-01	JAPMC-MC2310	10MB/sec, up to 21 nodes (see specs for detail)
	Pulse Output	PO-01	JAPMC-PL2310-E	4 axis, 5V for stepper
Local Slot I/O Modules (Optional)	I/O Module	LIO-01	JAPMC-IO2300	16-point input, 16-point output (sink mode output), and 1-point pulse input
		LIO-02	JAPMC-IO2301	16-point input, 16-point output (source mode output), and 1-point pulse input
		LIO-04	JAPMC-IO2303	32-point input, 32-point output (sink mode output)
		LIO-05	JAPMC-IO2304	32-point input, 32-point output source mode output)
		DO-01	JAPMC-DO2300	24 VDC, 64 outputs, sink mode output
		AI-01	JAPMC-AN2300	±10 VDC analog input, 8 channels
		AO-01	JAPMC-AN2310-E	4 channel, analog outputs
		CNTR-01	JAPMC-PL2300-E	2 channel counter module with 2 latching inputs and 2 outputs
Distributed I/O Modules for MECHATROLINK-II	64-point I/O Module	IO2310	JEPMC-IO2310	24 VDC; 64-point input/output, sink mode output
		IO2330	JEPMC-IO2330	24 VDC, 64-point input/output, source mode output
	Counter Module	PL2900	JEPMC-PL2900	Reversible counter: 2 channels
	Pulse Output Module	PL2910	JEPMC-PL2910	Pulse output: 2 channels
	Analog Input Module	AN2900	JEPMC-AN2900	Analog input: -10 V to +10 V, 4 channels
Analog Output Module	AN2910	JEPMC-AN2910	Analog output: -10 V to +10 V, 2 channels	
Engineering Tool	MotionWorks MPE720 Ver. 6	-	CPMC-MPE770**	Ver.6.02 or later The programming software to support you from system design to maintenance. Intuitive ladder programming and editing functions. Windows-based (Windows 95/98/NT4.0/XP) cam data generations.
	MECHATROLINK-II Repeater	-	JEPMC-REP2000	Extending MECHATROLINK-II to 100m max.
	MP Loader	-	CPMC-MPL700C	Version 5.10 or later


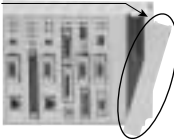
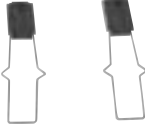

\* For inverter selection and specifications, reference Yaskawa V7 with Mechatrolink II Catalog Publication YEA-KAA-V7M-1.

\*\* Multiple license copies available. Contact your Yaskawa sales representative.

# Cables and Connectors

Name	Model	Length m	Specifications	Qty	
(J1)	Cable for MECHATROLINK-II	JEPMC-W6002-A5	0.5	With connectors on both sides 	
		JEPMC-W6003-A5	0.5	With ring core 	
		JEPMC-W6003-01	1.0		
		JEPMC-W6003-03	3.0		
		JEPMC-W6003-05	5.0		
		JEPMC-W6003-10	10.0		
		JEPMC-W6003-20	20.0		
	JEPMC-W6003-30	30.0			
Terminal Resistor	JEPMC-W6022		For MECHATROLINK-II 		
Ring Core	JEPMC-W6021		For MECHATROLINK-II cable 		
(J2)	I/O Cable for MP2300	JEPMC-W2060-A5	0.5	With connector on the MP2300 side 	
		JEPMC-W2060-01	1.0		
		JEPMC-W2060-03	3.0		
(J3)	I/O Cable for IO2310	JEPMC-W5410-05	0.5	With connector on the IO2310 side 	
		JEPMC-W5410-10	1.0		
		JEPMC-W5410-30	3.0		
(J4)	RS-232C Communication Cable (217IF-01, S18IF-01, 260IF-01, and 261IF-01)	JEPMC-W5311-03	2.5	PC side; D-SUB, 9-Pin, and Female  Communication module side; D-SUB, 9-Pin, and Male 	
	RS-422/485 Communication Connector Kit for 217IF-01	YSC-1		Includes Connector (10114-3000VE) and Shell (10314-52AO-008) (from 3M Corporation)	
	Ethernet Communication Cable for 218IF-01	-		Source locally. Use a cable with a characteristic impedance of 100 W. Do not use 10BASE-T cables (UTP) for noise reduction, because they are not shielded. Install devices for Ethernet, such as a transceiver and HUB, outside the control panel. Use cross cables for directly connecting the MP2300 to a PC.	
	DeviceNet Communication Cable for 260IF-01	-		Use DeviceNet cables. Refer to the ODVA web site . <a href="http://www.odva.org">http://www.odva.org</a>	
	PROFIBUS Communication Cable for 261IF-01	-		Use PROFIBUS A cables.	
	Cable for I/O Module (LIO-01 or LIO-02)	JEPMC-W2061-A5 JEPMC-W2061-01 JEPMC-W2061-03	0.5 1.0 3.0	With connector on the module side 	
EXIOIF Cable (MP2200 Rack Conn.)	JEPMC-W2091-A5	0.5	With connectors on both ends 		
	JEPMC-W2091-01	1.0			
	JEPMC-W2091-2A5	2.5			
I/O Cable for LIO-04, LIO-05, DO-01, and PO-01	JEPMC-W6060-05	0.5	With a connector on the LIO-04/LIO-05/DO-01 end 		
	JEPMC-W6060-10	1.0			
	JEPMC-W6060-30	3.0			
Input Cable for AI-01	JEPMC-W6080-05	0.5	With a connector on the AI-01 end 		
	JEPMC-W6080-10	1.0			
	JEPMC-W6080-30	3.0			
Output Cable for AO-01	JEPMC-W6090-05	0.5	With a connector on the AO-01 end 		
	JEPMC-W6090-10	1.0			
	JEPMC-W6090-30	3.0			
I/O Cable for CNTR-01	JEPMC-W2063-A5-E	0.5	With a connector on the CNTR-01 end 		
	JEPMC-W2063-01-E	1.0			
	JEPMC-W2063-03-E	3.0			
Connection Cable for SVA-01	JEPMC-W2040-A5	0.5	With connectors on both ends 		
	JEPMC-W2040-01	1.0			
	JEPMC-W2040-03	3.0			

# Optional Products

Applicable Machine Controller	Product Name	Product Model	Specifications	Qty
MP2000 Series Machine Controllers	Lithium battery 	JZSP-BA01	For data backup, 3.6 V, Lithium	
MP2200, MP2300	Protective cover 	JEPMC-OP2300	Front cover for empty slot	
	DIN Rail Mounting Kit 	JEPMC-OP300	Used to mount a module on DIN rail (1 pair in a set)	
MP2200 (CPU-02)	Compact Flash for data storage 	CFC-032MBA	32 Mbytes	
		CFC-064MBA	64 Mbytes	
		CFC-128MBA	128 Mbytes	