

Category	Model	Maximum I/O Points		Total Program Memory		Built-in Ethernet Communication *1	HSC *1	HSPO*1	Total Axes	Pulse Positioning Control	EtherCAT		
		DIO	AIO	PLC	Motion						Axes	Circular interpolat.*1	E-CAM*1
Basic CPU	MA1N1-1616◇	512	128	50 KB	-	Slave	2	2	2	2	-	-	-
	MA1N2-1616◇	512	128	50 KB	-	Slave	3	3	3	3	-	-	-
	MA1N3-1616◇	512	128	50 KB	-	Slave	4	4	4	4	-	-	-
	MA1I4-1616◇	512	128	50 KB	-	Slave	8	8*1	8	8*1	-	-	-
	MA1M3-1616◇	512	128	50 KB	-	Master/Slave	8	4	4	4	-	-	-
	MA2M3-1616◇	1024	128	60 KB	-	Master/Slave	8	4	4	4	-	-	-
	MA3M3-1616◇	2048	256	80 KB	-	Master/Slave	8	4	4	4	-	-	-
General Motion CPU	MS1C1-1616◇	512	128	50 KB	370 KB	Slave	6*3	4	7	4	2 axes + 1 Virtual	●	-
	MS1C2-1616◇	512	128	50 KB	556 KB	Slave	7*3	4	8	4	3 axes + 1 Virtual	●	-
	MS2C3-1616◇	512	128	60 KB	742 KB	Master/Slave	8*3	8*1	13	8*1	4 axes + 1 Virtual	●	1 axis
	MS2C4-1616◇	1024	128	60 KB	1.1 MB	Master/Slave	8*3	4	14	4	8 axes + 2 Virtual	●	1 axis
	MS2C5-1616◇	2048	256	60 KB	1.5 MB	Master/Slave	8*3	4	18	4	12 axes + 2 Virtual	●	2 axes
	MS3C6-1616◇	2048	256	80 KB	3 MB	Master/Slave	8*3	4	20	4	16 axes	●	2 axes
Advanced Motion CPU	ME1C1-1616◇	1024	128	50 KB	370 KB	Master/Slave	8*3	4	7	4	2 axes + 1 Virtual	●	●
	ME2C3-1616◇	1024	128	60 KB	742 KB	Master/Slave	8*3	4	9	4	4 axes + 1 Virtual	●	●
	ME2C4-1616◇	1024	128	60 KB	1.1 MB	Master/Slave	8*3	4	14	4	8 axes + 2 Virtual	●	●
	ME2C5-1616◇	2048	256	60 KB	1.5 MB	Master/Slave	8*3	4	18	4	12 axes + 2 Virtual	●	●
	ME3C6-1616◇	2048	256	80 KB	3 MB	Master/Slave	8*3	4	20	4	16 axes	●	●

◇ : T — Transistor SINK(NPN) output ; J — Transistor SOURCE (PNP) output

* 1 200 KHz HSC and HSPO · MA1I4-1616◇ HSPO supports up to 100KHz * 2 Including Modbus and Self-defined protocol. Differ only in Ethernet port, serial port supports both Master and Slave

* 3 MS1C1-1616◇ of which 2 channels, MS1C2-1616◇ of which 3 channels, and other models of which 4 channels of HSC are only dedicated for EtherCAT motion only

* 4 **Positioning Control:** Including Point-to-Point Positioning Control · Interrupt constant feed/angle ; **Circular interpolation:** Including Linear/Circular interpolation and functions in **Positioning Control**

Advanced Motion: Including Flying-saw · Rotary-cut · E-CAM · Helical interpolation and functions in **Positioning Control** and **Circular interpolation**

* 5 Specific models supported

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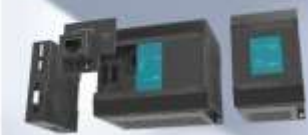


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Category	Model	Specifications
Digital I/O Modules	M16X	16 points 24 VDC digital input · Push-in terminal blocks
	M16YT	16 points transistor SINK(NPN) output · Push-in terminal blocks
	M16YJ	16 points transistor SOURCE(PNP) output · Push-in terminal blocks
	M16YR	16 points relay output · Push-in terminal blocks
	M1616XYT	16 points 24 VDC digital input · 16 points transistor SINK(NPN) output · 40 pins header connector
	M1616XYJ	16 points 24 VDC digital input · 16 points transistor SOURCE(PNP) output · 40 pins header connector
Analog I/O Modules	M04ADR	4 channels · Voltage and current input · Resolution:1/160000
	M04AD	4 channels · Voltage and current input · Resolution:1/16383
	M04DAR	4 channels · Voltage and current output · Resolution:1/54000
	M04DA	4 channels · Voltage and current output · Resolution:1/16383
	M0202AH	2 channels voltage and current input + 2 channels voltage and current output · Resolution:1/16383
Temperature Input Module	M04TCR	4 channels · Thermocouple temperature input (K, J, T, E, R, B, N, S, mV) · Resolution: ±0.2% (25°C±5°C)
	M04TC	4 channels · Thermocouple temperature input (K, J, T, E, R, B, N, S, mV) · Resolution: ±0.5% (25°C±5°C)
	M0202TH	2 channels RTD(JIS or DIN) + 2 channels thermocouple(K, J, T, E, R, B, N, S) temperature input · Resolution: 0.1° C
Load Cell Module	M02LCR	2 channels load cell input module · A/D Converter Utilized: 24 bits · Precision: ±0.01% (25° C±5° C)
	M02LC	2 channels load cell input module · A/D Converter Utilized: 24 bits · Precision: ±0.5% (25° C±5° C)
Communication Modules	MHCM25	1 port RS232 + 1 port RS485 serial communication
	MHCM55	2 ports RS485 serial communication
Coupler Unit	MCOMN	Remote I/O Coupler (Modbus / TCP)
Power Supply Modules	MPA024-24	Input: 100~240VAC (50/60Hz) · Output: 24VDC 1A(Internal and external) · 24W
	MPA048-24	Input: 100~240VAC (50/60Hz) · Output: 24VDC 2A(Internal and external) · 48W
Dedicated Memory Card	MFMM06	Industrial grade Micro-SD card · Data-log area: 6GB*
Peripheral and Accessory	MFT40T	40 pins interface module · Connection method: PID (for engineering testing purpose, not necessary)
	MFW40I-50	High density modules connector 40pin socket, shielded 28AWG I/O cable length 50cm
	MFW40N-150	High density modules connector 40pin socket (discrete wire at one end) , right-angle shielded 28AWG I/O cable length 150cm
	MFW40NS-300	High density modules connector 40pin socket (discrete wire at one end) , vertical 22AWG I/O cable length 300cm

* Support up to 6 high-speed modules, and need to be installed in the first 6 expansion positions on the right side of the CPU (placed between the CPU and general modules)

* The functions of the memory card vary by CPU model. Please check the CPU specification list for the supported features.

