Model Name		MPC3024A P.3	MPC3024AC P.5	MPC3028A P.7
Bus		PCI	PCI	PCI
Axes		4	4	8
Control Type		Semi-closed loop	Semi-closed loop or fully closed loop	Semi-closed loop
Function		point to point linear, circular, speed	point to point linear, circular, speed, tracking	point to point linear, circular, speed
Acc Profile		Linear S curve	Linear S curve	Linear S curve
Max Speed		6.5M (with isolation)	6.5M (with isolation)	6.5M (with isolation)
Specific I/O Per Axis	Input	LS+, LS- ORG, SRDY, ALM, SD, PCS, LTC, INP	LS+, LS- ORG, SRDY, ALM, SD, PCS, LTC, INP	LS+, LS- ORG, SRDY, ALM , SD, PCS, LTC, INP
	Output	CW(Clock) CCW(Dir) CMP, SVON, ERC, FIN	CW(Clock) CCW(Dir) CMP, SVON, ERC, FIN	CW(Clock) CCW(Dir) CMP, SVON, ERC, FIN
Digital I/O		8 TTL	8 TTL	8 TTL 8 Isolated DI 8 Isolated DO
Analog Output		No	4 Channel 17-bit	No
Special Function		backlash compensation, position change on the fly, speed control mode, continuous motion mode, encoder feedback, current position latch, position compare output, software limit, pulse handler	Basic function same as MPC3024A, 17-bit D/A, digital PI control, feedback encoder failure detection, tracking control	Basic function same as MPC3024A, 8 axes linear interpolation
Interrupt		Y	Y	Y
Dimensions (W) * (H)		175*122 mm 6.9*4.8 in	175*122 mm 6.9*4.8 in	175*122 mm 6.9*4.8 in
Wiring Board		ADP3024DIN(N) P.19 ADP3024DIN(P) P.19 ADP3024DIN(R) P.19 FVC01 P.23 JS51050 I.12	ADP3024ACDIN(N) P.21 ADP3024ACDIN(P) P.21 ADP3024ACDIN(R) P.21 FVC01 P.23 JS51050 I.12	ADP3024DIN(N) P.19 ADP3024DIN(P) P.19 ADP3024DIN(R) P.19 ADP9201DIN(R) P.79 ADP9201DIN(S) P.79 ADP9201DIN(P) P.79 FVC01 P.23 JS51050 I.12

Model Name		MPC3034A P.9	MPC3042A/AL P.15	MPC3035A/AL P.11
Bus		PCI	PCI	PCI
Axes		4	2	4
Control Type		Semi-closed loop	semi-closed loop (MPC3042A/AL) fully closed loop (MPC3042A)	Semi-closed loop
Function		point to point linear, circular, speed	point to point linear, circular, speed, tracking (MPC3042A)	point to point linear, circular, speed
Acc Profile		linear S curve	linear S curve	linear S curve
Max Speed		6.5M (with isolation)	6.5M (with isolation)	6.5M (with isolation)
Specific I/O Per Axis	Input	LS+, LS- ORG, SRDY, ALM, SD, PCS, LTC, INP	LS+, LS- ORG, SRDY, ALM, SD, PCS, LTC, INP	LS+, LS- ORG, SRDY, ALM, SD, PCS, LTC, INP
	Output	CW(Clock) CCW(Dir) CMP, SVON, ERC, FIN	CW(Clock) CCW(Dir) CMP, SVON, ERC, FIN	CW(Clock) CCW(Dir) CMP, SVON, ERC, FIN
Digital I/O		8 TTL	8 TTL 8 Ioslated DI 8 Ioslated DO	8 TTL
Analog Output		No	PWM DA, 2 Channel 17-bit (MPC3042A)	PWM DA x 2 (MPC3035A)
Special Function		superset of MPC3024A, pulse handler function, software FIFO, synchorous start on specific condition, simultaneous start/stop over cards Acc/dec on circular interpolation	backlash compensation, position change on the fly, speed control mode, continuous motion mode, encoder feedback, current position latch, position compare output, software limit, pulse handler Acc/dec on circular interpolation **MPC3042A only :** 17 bit D/A, digital PI control, feedback encoder failure detection, tracking control	Standard motion function as MPC3034A, two 32-bit counters, Auto increment compare mode, FIFO compare mode (X axis), Segment Mask Off, External Gate
Interrupt		Y	Y	Y
Dimensions (W) * (H)		175*122 mm 6.9*4.8 in	175*122 mm 6.9*4.8in	175*122 mm 6.9*4.8 in
Wiring Board		ADP3024DIN(N) P.19 ADP3024DIN(P) P.19 ADP3024DIN(R) P.19 FVC01 P.23 JS51050 I.12	ADP2042DIN(N) P.17 ADP2042DIN(P) P.17 ADP2042DIN(R) P.17 ADP9201DIN(R) P.79 ADP9201DIN(S) P.79 ADP9201DIN(P) P.79 FVC01 P.23 JS51050 I.12	ADP3024DIN(N) P.19 ADP3024DIN(P) P.19 ADP3024DIN(R) P.19 FVC01 P.23 JS51050 I.12 JS510501 I.12