

Ethernet/RS232 Motion Controllers

Ethernet Product Comparison Chart

	DMC-40x0 Accelera	DMC-21x3 Econo	CDS-3310	DMC-14x5 or -34x5
Communication interface	Ethernet 10/100Base-T RS232 x 2 (115 kb)	Ethernet 10Base-T RS232 x 1 (19.2 kb)	Ethernet 10/100 Base-T RS232 x 1 (19.2 kb)	Ethernet 10Base-T RS232 x 1 (19.2 kb)
Form factor	box	card or DIN-rail	box	card or box
Number of axes	x=1,2,3,4,5,6,7,8	x=1,2,3,4,5,6,7,8	x=1	x=1,2
Connector type	D-type	96-pin DIN	37-pin D	37-pin D
Mating interconnect module	N/A	ICM-20100/20105	ICM-3300	ICM-1460
Power requirement	20–80 VDC	5V,+/-12V or 9-72 VDC	18-72 VDC	5V,+/-12V or 100-240 VAC
Maximum encoder rate	22 MHz	12 MHz	12 MHz	12 MHz
Maximum stepper rate	6 MHz	3 MHz	3 MHz	3 MHz
Minimum servo update time	1-2 axes: 62 µsec 7-8 axes: 187 µsec	1-2 axes: 250 µsec 7-8 axes: 625 µsec	250 µsec N/A	250 µsec N/A
Optoisolated digital inputs	yes	yes with ICM-20105	yes with ICM-3300	yes with ICM-1460 option
# of uncommitted digital inputs	1-4 ax: 8; 5-8 ax: 16	1-4 ax: 8; 5-8 ax: 16	8	1 axis: 7; 2 axis: 3
# of uncommitted digital outputs	1-4 ax: 8; 5-8 ax: 16*	1-4 ax: 8; 5-8 ax: 16	10	3
# of analog inputs	8	8 (with DB-28040)	2 in, 1 out	2
# of extended I/O	32	40 (with DB-28040)	40 (with DB-28040)	64 (with DB-14064)
Dual Encoder for each axis	yes	yes	yes	1 axis: yes; 2 axes: no
Program memory size (lines x chr)	2000 x 80	1000 x 80	1000 x 80	500 x 80
Array size (number of elements)	16000	8000	8000	2000
# of variables	510	510	510	126
# of tasks for multitasking	8	8	8	2
Drive options from Galil	AMP-43020 AMP-43040 AMP-43140 SDM-44040 SDM-44140	AMP-20341 AMP-204x0 AMP-205xx SDM-20242 SDM-206x0	Includes 500W brush or brushless drive	AMP-1460 ICM-1460-20 W
Price: qty 1	DMC-4040: \$2295	DMC-2143: \$1195	CDS-3310: \$745	DMC-1415 card: \$595
Price: qty 100	DMC-4040: \$1195	DMC-2143: \$795	CDS-3310: \$495	DMC-1415 card: \$395

* DMC-40x0 provides high-power, optically isolated outputs.