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| [Product Overview](#) | [DspMotion®](#) | [DeviceNet™](#) | [Drives](#) | [Motion Controllers](#) | [Motors and Gearheads](#) | [Stepping Motor Cubes](#) |

DspMotion® Single-axis Controllers



The IMCjr and the IMC provide a complete range of motion control power and capabilities for any single-axis application, with or without DeviceNet™.

Feature	IMCjr	IMC
Memory Space	60 Kbytes User 42 Kbytes Variable	92 Kbytes User 138 Kbytes Variable
Battery-backed RAM	n/a	1
User I/O	1 encoder input 2 analog inputs 1 analog output up to 21 digital I/O	1 encoder input (enhanced version only) 1 analog input 1 analog output 12 digital I/O
Dedicated I/O	Enable, OK	Home, Fwd & Rev OT, Enable, OK
Serial ports	1 RS-232	1 RS-232 or RS-422
Network port	1	1
Servo torque capability	4-450 lb-in	5-450 lb-in
Stepper torque capability	50-1,450 oz-in	50-1,450 oz-in
High-speed position inputs	1 @ 30.5 microseconds	1 @ 400 nanoseconds
High-speed set point outputs	n/a	2 @ 50 microseconds
Physical Stats	<i>3- and 5-Amp models</i> Weight = 4 lbs Width = 3.20 inches Depth = 6.05 inches Height = 8.50 inches	Weight = 8 lbs Width = 4.20 inches Depth = 7.950 inches Height = 11.70 inches



The Target® ARS is a rack-based, modular system that can be customized for each application with additional Axis Modules and Digital/Analog I/O Modules. Link two Target® racks to create a powerful system that provides up to 8 axes of control, more motor power, and up to 512 digital I/O.

Feature	Target® ARS
Memory Space	192 Kbytes User 42 Kbytes variable standard (1 MB variable optional)
User I/O	8 encoder inputs (one per axis) 16 analog inputs 16 analog outputs 256 programmable I/O
Dedicated I/O	2 Home, 2 Fwd & 2 Rev OT, 2 Enable, 2 OK
Serial ports	3 RS-232 and RS-422
Network ports	DeviceNet™ and ProfiBus
Servo torque capability	5 to 400 lb-in
High-speed position inputs	8 @ 400 nanoseconds
High-speed set point outputs	8 @ 50 microseconds



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