

# TRM International

Motion Control & Automation Manufacturers

TRM

New  
For 2006

## 1 to 4 axis Motion Controllers CM2 - CM3 - CM4



- 1 to 4 Axis Servo Control
- Stand-alone Motion Controller
- Motorola Coldfire Processor
- 140MHz Clock Speed
- Motion Controller, PLC & HMI in One Box
- Graphic Colour LCD Screen - 320 x 240 Pixels
- Onboard Digital and Analog I/O
- Full PLC Capabilities
- Control of DC / AC Servo Motors and Steppers
- Linear and Circular Interpolation
- RS232, RS485, USB 2.0, USB On-The-Go, Ethernet and CAN ports
- Multitasking
- Industry Standard +/-10V Analog Outputs
- Encoder Feedback
- 'C' Programmable

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	CM2	CM3	CM4
<b>Servo &amp; Stepper Axis Control</b>	2	3	4
<b>Onboard PLC</b>	Yes	Yes	Yes
<b>Processor</b>	Motorola Coldfire	Motorola Coldfire	Motorola Coldfire
<b>Clock Speed</b>	140 MHz	140 MHz	140 MHz
<b>Memory Flash EPROM</b>	16 Megabytes	16 Megabytes	16 Megabytes
<b>Memory Non-volatile RAM</b>	2 Megabytes	2 Megabytes	2 Megabytes
<b>SDRAM</b>	32 Megabytes	32 Megabytes	32 Megabytes
<b>Onboard Real Time Clock</b>	Yes	Yes	Yes
<b>Digital Inputs</b>	16	16	16
<b>Encoder Inputs</b>	A, /A ,B, /B, Z Expandable	A, /A ,B, /B, Z Expandable	A, /A ,B, /B, Z Expandable
<b>Analogue Inputs</b>	4/12 bit	4/12 bit	4/12 bit
<b>DAC Outputs (Motor Command)</b>	+/- 10 V	+/- 10 V	+/- 10 V
<b>Amplifier Enable</b>	NPN, PNP	NPN, PNP	NPN, PNP
<b>Driver Outputs (MOS-FET)</b>	8	8	8
<b>Digital Outputs (TTL)</b>	8	8	8
<b>Input/Output 4 Amps</b>	4	4	4
<b>I/O Expansion</b>	Yes	Yes	Yes
<b>Multi-tasking</b>	Yes	Yes	Yes
<b>Controls Inverter, Servo or Stepper Drives</b>	Yes	Yes	Yes
<b>RS232 Serial Interface</b>	1	1	1
<b>RS485 Full Duplex Interface</b>	1	1	1
<b>USB 2.0 &amp; On-The-Go</b>	2	2	2
<b>Ethernet Interface</b>	1	1	1
<b>Can Interface</b>	1	1	1
<b>Screen</b> Mode: Pixels: Size: Option:	Colour LCD 320 x 240 5.7"	Colour LCD 320 x 240 5.7"	Colour LCD 320 x 240 5.7" & 8.4" & 12.1 touchscreen
<b>Keypad</b>	30 keys	30 keys	30 keys & QWERTY
<b>Programming Language</b>	'C', MAP, etc.	'C', MAP, etc.	'C', MAP, etc.
<b>Linear Interpolation</b>	Yes	Yes	Yes
<b>Circular Interpolation</b>	Yes	Yes	Yes
<b>Power Requirements</b>	7.5 to 36 Volts DC	7.5 to 36 Volts DC	7.5 to 36 Volts DC
<b>Connectors</b>	D type, USB 'A', USB mini B 5 pin, RJ45	D type, USB 'A', USB mini B 5 pin, RJ45	D type, USB 'A', USB mini B 5 pin, RJ45

LOCAL DISTRIBUTOR

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Quality By Design

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