

Contrôleur multi-axes MC224 Trio Motion

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Accessories:

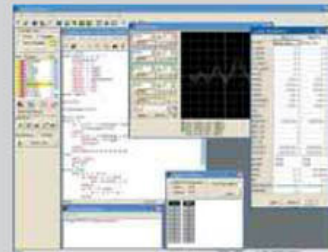
- P301 Axis Expander
- P355 2 Way System Ribbon
- P360 3 Way System Ribbon
- P365 4 Way System Ribbon
- P350 RS232 Serial Cable
- P435 Serial to Fibre-Optic Adaptor
- P315 CAN 16 I/O
- P325 CAN 8 Analogue Inputs
- Pxxx All Daughter Boards

panel mount

The MC224 is the fastest *Motion Coordinator* providing unprecedented computational speed, flexibility, and connectivity.

The MC224 is based on Trio's high performance 32 bit floating point DSP technology and provides up to 24 axes of control. The unit's flexibility is achieved using 4 axis slots in the MC224 module and up to three Axis Expander modules. The processor slots can be populated with any combination of axis, fieldbus and/or digital drive daughter boards and the axis expanders by any combination of axis daughter boards.

The flexibility of this system allows the MC224 to be configured for a broad range of machines from palletisers and coordinate measuring machines to flow wrappers and flexographic print machines. Each axis may run moves using linear, circular, helical or spherical interpolation, electronic cams and gearboxes.



User programs are written in Trio's established multi-tasking BASIC language using the powerful *Motion Perfect* application development software.

Complex motion such as cams, gears, linked axes, and interpolation is made easy with Trio's comprehensive BASIC

command set. The MC224 has 16 opto-isolated 24V digital I/O (8 in, 8 bi-directional) and 2 x 12-bit, 0 - 10V analogue inputs built-in. The I/O count can be expanded using Trio CANBus digital and analogue modules or CANopen I/O modules.

The MC224 offers wide communications capability with two RS-232 serial ports, an RS-485 port, a TTL serial port, a USB port and a CAN channel as standard. Adapters are available to convert the TTL port to Trio's fibre-optic network.

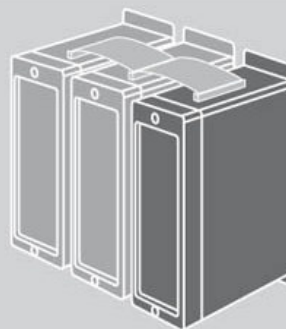
The base MC224 unit comes with 4 slots and Axis Expanders can be added to give a total of 8, 12 or 16 slots.



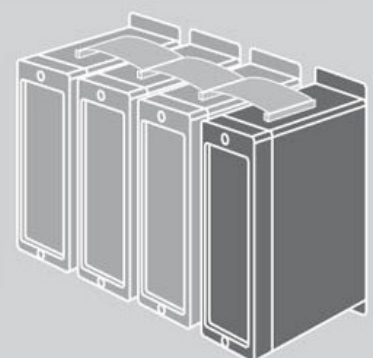
MC224
Base unit
(4 slots)



MC224
Base unit
+ 1 Axis Expander
(8 slots)
+ 2 way system ribbon



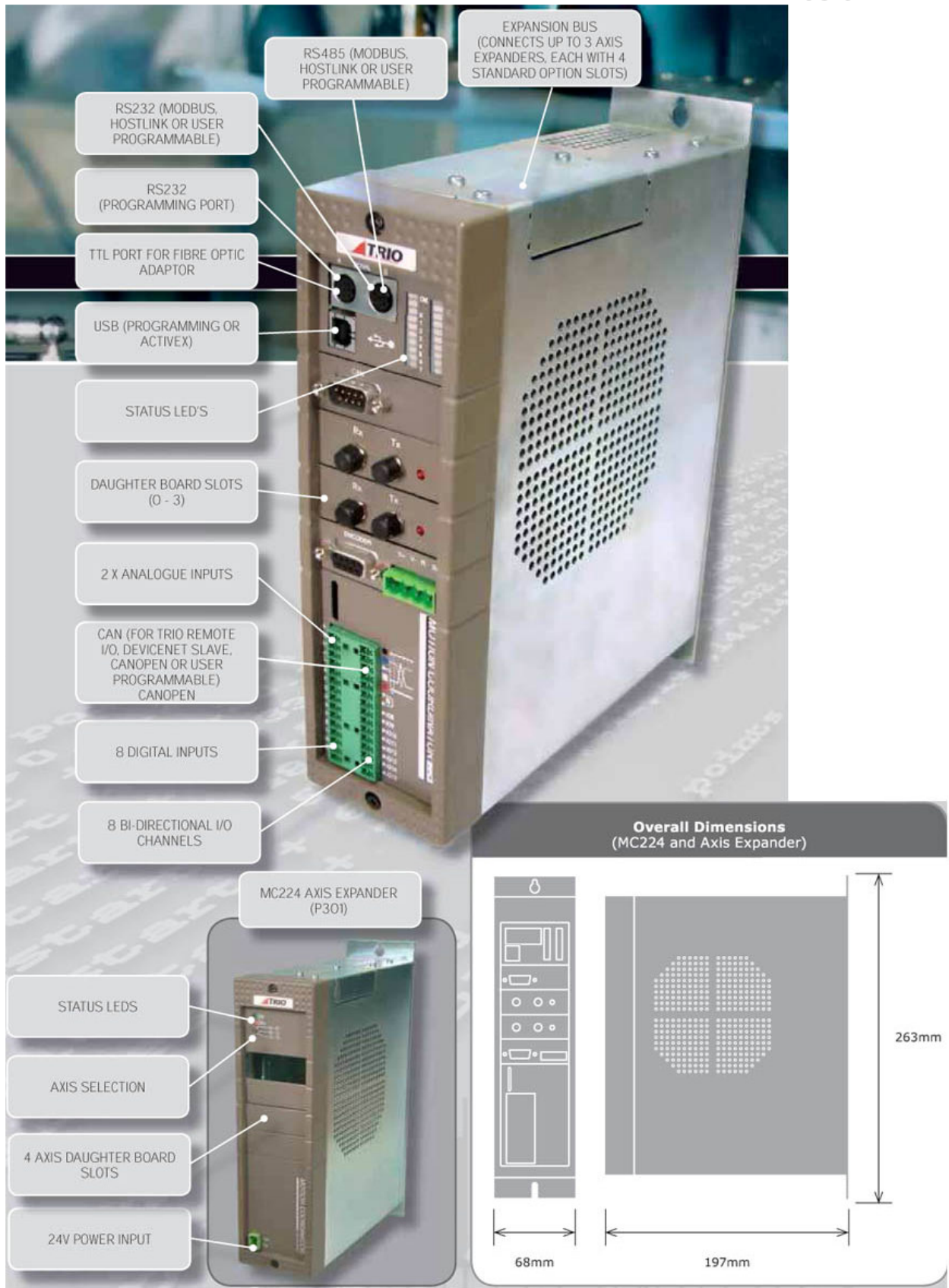
MC224
Base unit
+ 2 Axis Expanders
(12 slots)
+ 3 way system ribbon



MC224
Base unit
+ 3 Axis Expanders
(16 slots)
+ 4 way system ribbon

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www.rosier.fr





13 rue Sigmund Freud
69120 Vaulx en Velin
Tél. : 04 72 04 68 61

contact@rosier.fr

www.rosier.fr

Agence Paris

Tél. 01 30 25 12 02

Fax 01 30 25 12 27