RACK MOUNT

PRODUCT CODE: P151

EURO205X

The Euro205x *Motion Coordinator* is a Eurocard stepper/servo controller with the built-in ability to control up to 4 servo or stepper motors in any combination. In addition a single Trio Daughter Board may be fitted to allow the control of additional axes or a communications channel.

The Euro205x is designed to provide a powerful yet cost-effective control solution for OEM machine builders who are prepared to mount the unit and provide the power supplies required.

User programs are written in Trio's established multi-tasking TrioBASIC language using the powerful *Motion* Perfect 2 application development software making complex motion such as cams, gears, linked axes, and interpolation easy.

MULTI-TASKING

- 7 simultaneous TrioBASIC tasks

The Euro205x features a total of 8 axes in software. Any axes not assigned to built-in hardware can be used as a virtual axis. Standard axis or multi-axis digital drive daughter boards may also be added.

AXIS CONFIGURATION *(WITHOUT SERCOS / CAN OR SLM)*

Axis 0	stepper / servo / encoder
Axis 1	stepper / servo / encoder
Axis 2	stepper / servo / encoder
Axis 3	stepper / servo / encoder
Axis 4	Added by use of an axis option board fitted to intelligent option slot
Axis 5,6,7	virtual

Extra Axes can be added by P406, P412 and P416

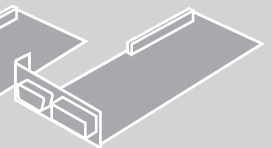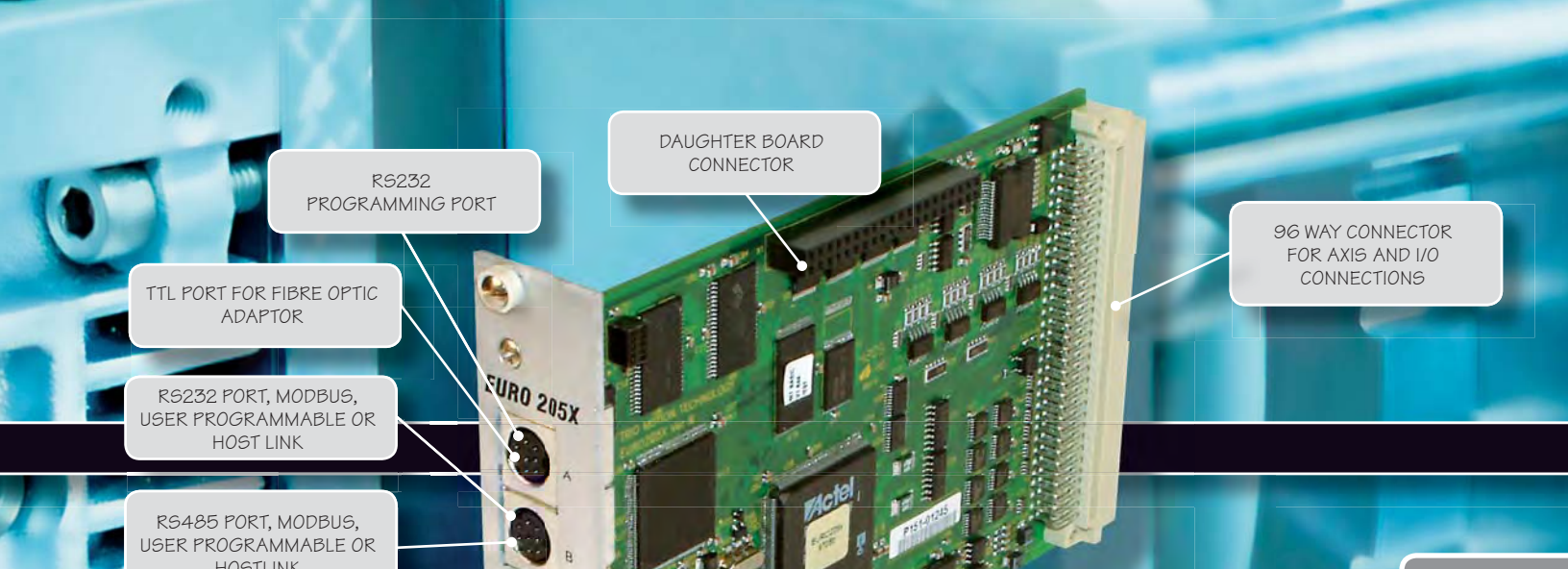| SERCOS	CAN	SLM
Up to 8 axes* (2 Standard)	Up to 4 axes* (2 Standard)	Up to 3 axes (3 Standard)
P291	P293	P292

*Extra axes added by P701, P702 and P704

The built-in inputs and outputs may be used for system interaction or may be defined to be used by the controller for end of travel limits, datuming and feedhold functions as required. 8 status LEDs are available which can be set to display the status of banks of inputs or outputs. If the built-in CAN channel is not used for connecting I/O modules, it may optionally be used for CAN communications or as a DeviceNet Slave.

I/O CAPABILITY

- 16 24V dc inputs and 8 24V dc output channels
- 2 x 12 Bit analogue inputs
- Expandable to 256 I/O channels and 32/16 analogue I/O channels using the P317, P318, P319, P326 and P327 modules

FEATURE ENABLE CODES

The Euro205x is supplied as standard with axis 0 configured as a stepper axis. Software "Feature Enable Codes" (FEC) can be purchased and then entered using Motion Perfect to enable axes 1,2 and 3 for either servo or stepper operation. Axis 0 can also be upgraded to a servo axis. No extra hardware is required to update these additional axes.

DAUGHTER BOARD CONNECTOR

RS232 PROGRAMMING PORT

TTL PORT FOR FIBRE OPTIC ADAPTOR

RS232 PORT, MODBUS, USER PROGRAMMABLE OR HOST LINK

RS485 PORT, MODBUS, USER PROGRAMMABLE OR HOSTLINK

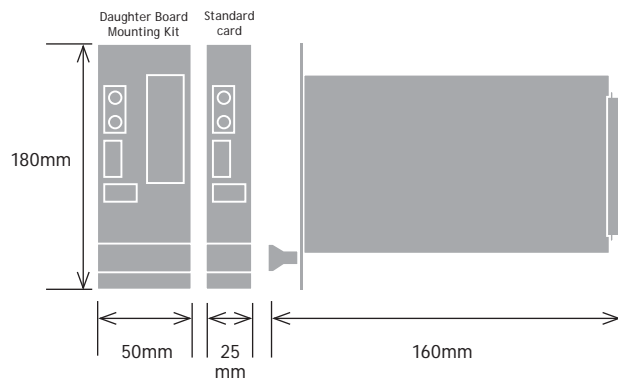CAN PORT TRIOCAN I/O, DEVICENET SLAVE, CAN OPEN OR USER PROGRAMMABLE

STATUS LEDS

96 WAY CONNECTOR FOR AXIS AND I/O CONNECTIONS

2 ANALOGUE INPUTS

EURO0205X CONFIGURED WITH P445 DAUGHTER BOARD MOUNTING KIT

OVERALL DIMENSIONS
(SHOWN WITH DAUGHTER BOARD MOUNTING KIT AND STANDARD CARD)

Daughter Board Mounting Kit
Standard card

180mm

50mm   25 mm   160mm

The Euro205x has two RS232 ports and one RS485 built in, and one further serial channel available at TTL levels. An external adapter is available to allow the TTL port to be used with Trio's Fibre Optic Network devices, e.g. P503 Membrane Keypad.

One of the RS232 ports or the RS485 port may be configured to run the MODBUS protocol for PLC or HMI interfacing.

Ethernet, Profibus and CANbus daughter boards may be fitted to provide additional communications options.

FIELDBUS COMMUNICATION OPTIONS

CAN	TrioCAN I/O, DeviceNet slave, CANopen I/O, or user programmable
RS232	Modbus-RTU slave, Hostlink or user programmable†
RS485	Modbus-RTU slave, Hostlink or user programmable†
Option Slot	Profibus, CANbus, Ethernet

†Only 1 instance of a protocol can be used at a time.
Option slot is limited to one daughter board card.

MOTION TECHNOLOGY