

I/O Modules

Trio Motion Technology's range of digital and analogue input/output expansion modules are designed to enable simple and scalable and low-cost I/O extension for Trio's *Motion Coordinators*. In addition to 24V input, output and bi-directional modules, there are relay and analogue I/O modules.

CANbus is used for communication and control between the *Motion Coordinator* and the CAN IO modules. CANbus is a tried and tested, well known data link in industry which is reliable, noise immune and flexible. All CAN IO modules are compatible with any *Motion Coordinator* that has a CANbus port.

The *Motion Coordinator* I/O expansion system uses CANbus to reduce wiring and allow input/output modules to be distributed remotely. Up to 16 Digital I/O and up to 4 Analogue I/O modules may be added to the system. No bus connectors are required thus reducing the initial cost of adding I/O.

The MC464 has additional capability in that it can handle up to 16 Digital Input modules and 16 Digital Output modules, a total of 32 Digital modules and 4 Analogue modules. The CAN 16 I/O module counts as one Input AND one Output module.

As well as being able to connect to any *Motion Coordinator* using Trio's own high speed CANbus protocol, each CAN module can run the DS401 CANopen protocol. Protocol selection is by DIP switches on the front of the module.

CAN 16-OUT DIGITAL: P317

The Trio CAN 16 Output module provides up to 256 distributed output channels at 24Vdc level.

Outputs	16x 24V sourcing (PNP) output channels
Configuration	16 output channels
Output Capacity	1A per bank of 8 250mA/channel.
Network Speed	500KBit/s
Protocols	TrioCAN IO / CANopen DS401
Compliance	RoHS and EMC

CAN 16-IN DIGITAL: P318

The Trio CAN 16 Input module provides up to 256 distributed input channels at 24Vdc level.

Inputs	16x 24V sourcing (PNP) input channels
Configuration	16 input channels
Output Capacity	1A per bank of 8 250mA/channel.
Network Speed	500KBit/s
Protocols	TrioCAN IO / CANopen DS401
Compliance	RoHS and EMC

CAN 16-IN / OUT DIGITAL: P319

The Trio CAN 16 Input / Output module provides up to 256 distributed bi-directional I/O channels at 24Vdc level.

Inputs	16 x 24V Input channels with 2500V isolation
Outputs	16x 24V sourcing (PNP) output channels
Configuration	2 x 8 bi-directional input/output channels
Network Speed	500KBit/s
Protocols	TrioCAN IO / CANopen DS401
Compliance	RoHS and EMC



CAN 8-IN / 4-OUT ANALOGUE: P326

The CAN Analogue I/O module provides up to 32 analogue input and 16 output channels per system.

Inputs	8 x \pm 10V inputs with isolation from CANbus
Outputs	4 x 0 - 10V outputs with isolation from CANbus
Network Speed	500KBit/s
Protocols	TrioCAN IO / CANopen DS401
Compliance	RoHS and EMC



CAN 8-RELAY OUT: P327

The Trio CAN 8 Relay module provides 128 distributed low power relay channels per *Motion Coordinator*.

Outputs	8 relays 30Vdc / 120Vac
Configuration	4 x NO+NC contacts and 4 NO only contacts
Network Speed	500KBit/s
Protocols	TrioCAN IO / CANopen DS401
Compliance	RoHS and EMC



OVERALL DIMENSIONS

