

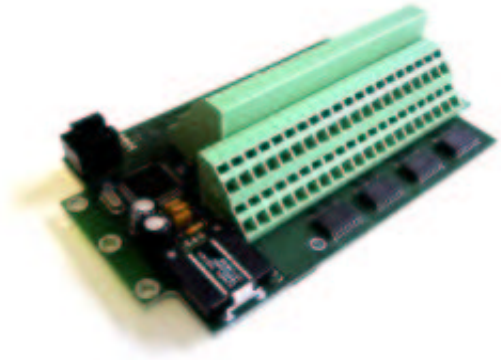
TECHNICAL DATASHEET# TD6100MV Digital input/output module

CAN networked digital controller – 16 channel

Also available...Complete CAN control system with CAN master and operator display (see TD6102MV)

Specifications

Type	Digital input / output module
Order code	See below
Inputs	16 (PNP/NPN) 24V
Outputs	16 (PNP) 24V High side switching outputs
Interfaces	RS-232 - interfaces with terminal s/w Tera Term Pro™ CAN (CANopen) - EDS file available SAE J1939, DeviceNet on request
Main processor	Motorola 68HC908AZ60A (8-bit)
Program memory (Flash)	60 kBytes
CAN bus transceiver	Philips TJA1050
Operating voltage	9 - 32VDC, Reverse polarity protection provided
Operating temperature range	-40...+85°C (-40...+185°F)
Electrical connections	In PCB – multiple spring-loaded connectors and 4-pin SIP connector for RS232 In Housing - either Pg 11 strain reliefs or Cannon military style connectors (number depends on network topology) Mating connector assemblies available on request.
Dimensions	PCB (Contact manufacturer) PCB encapsulated in cast aluminum housing: 100 x 160 x 100 mm 3.94 x 6.30 x 3.94 inches
Protection Class	IP65 (IP67 available on request)



Product description

The digital I/O module is designed for both stand-alone and networked applications. The basic configuration of the module includes 16 PNP(active high) inputs and 16 PNP outputs. The output types are fixed, but the input types can be selected in groups of 4 (specify on ordering). The outputs have a current limitation of 3A / channel, and the outputs are also protected against short-circuit and overtemperature.

I/O can be controlled either using RS-232 or CAN buses. The module is available with CANopen protocol with SAE J1939 and DeviceNet available on request. The CAN bus node id is changed through the RS-232 interface using normal terminal software. CAN bus termination can be switched on by using a jumper.

The I/O module is designed for harsh environments. The module is available as a PCB or mounted in an IP65-protected cast aluminum case (IP67 on request). The standard module has spring-loaded connectors on the circuit board which is encapsulated in the housing. Pg 11 strain reliefs or Cannon military style connectors are mounted in the housing. Power supply for the module can be in the range of 9 – 32VDC. The module is protected against reverse battery connection, overvoltage, and load-dump situations.

Applications

- mobile applications, vehicles, work machines
- cranes, elevators
- robotics, material handling machines

Order code

MVDIO32	-	CO	-	4	-
		CAN protocol		Number of digital NPN inputs	Housing - Connection style
		CO = CANopen		4 / 8 / 12 / 16	MIL = Cannon connectors
		SJ = SAE J1939		leave blank for all PNP	PG = Pg 11 strain reliefs
		DN = DeviceNet			leave blank for PCB orders

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