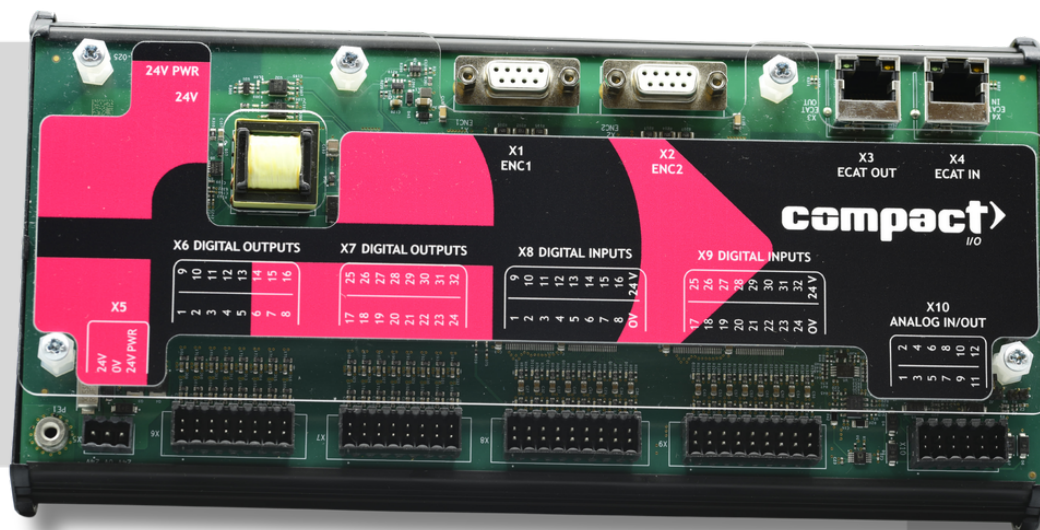


Compact Embedded Solution for general purpose machine connections



Compact I/O is an EtherCAT-based I/O module designed to manage a **complete machine** through a single, integrated solution, offering a **comprehensive set of I/Os** together with an excellent **price-to-performance ratio**.

Equipped with 64 Digital I/Os with status LEDs, configurable Analog Inputs, Analog Outputs, and two Encoder Inputs, Compact I/O is an ideal solution for both **new machine designs** and **retrofit applications**.

The device can interface with a wide range of peripherals and machine components, including handwheels, analog spindle inverters with or without encoder feedback, additional feed and speed potentiometers, and more.

Why choose Compact I/O ...

-  DINrail fixed configuration
-  EtherCAT based I/O board
-  A wide range of I/O in a compact solution: 32 x DI, 32 x DO, 2 x AI, 2 x AO, and 2 x encoders
-  Suitable for different types of devices



Product specifications

compact
I/O

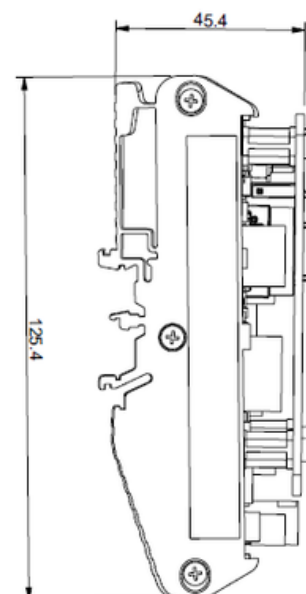
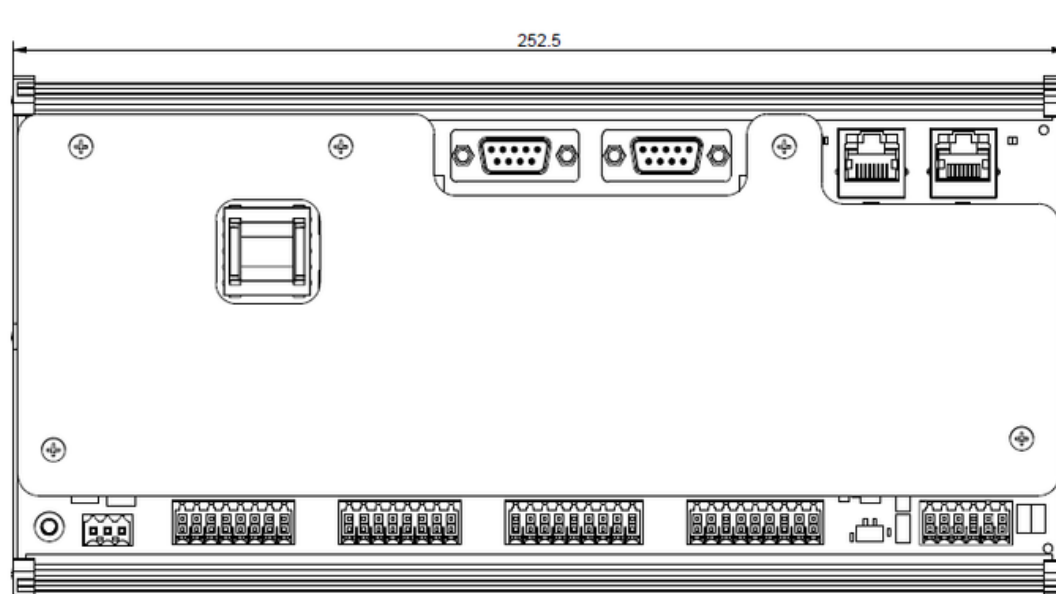
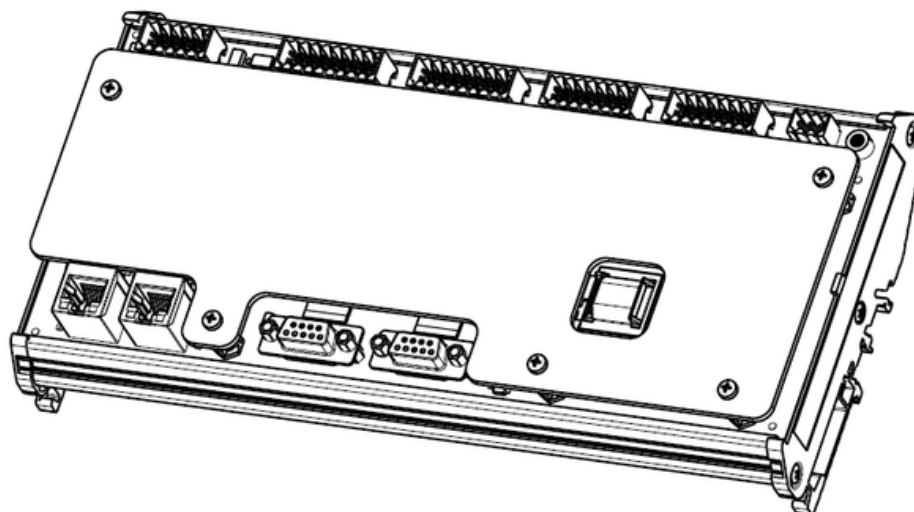
CHARACTERISTICS	Type / Qnt
FIELDBUS ETHERCAT	Fieldbus EtherCAT
ASSEMBLY	DIN rail mounting
OPERATING TEMPERATURE	0°C ...+70°C
RELATIVE HUMIDITY	90% no condensation
MODULE POWER SUPPLY	24 VDC
DIGITAL OUTPUT POWER SUPPLY	24 VDC
DIGITAL IN	
NUMBER OF INPUT	32
STATUS LED	Yes
INPUT REVERSE VOLTAGE PROTECTION	Yes
DIGITAL OUT	
NUMBER OF OUTPUT	32
OUTPUT CURRENT	0.25A/0.5A per channel (total rate of 8A on 32 out)
OVERLOAD PROTECTION	Yes
STATE IN CASE OF ETHERCAT ERRORS	Configurable (0, 1, freeze)
ANALOG IN	
NUMBER OF INPUT	2 x 12 bit
INPUT TYPE	±10V / 0...20mA configurable
BANDWIDTH	1KHz/300Hz
ANALOG OUT	
NUMBER OF OUTPUT	2 x 12 bit
OUTPUT TYPE	±10V
OVERLOAD PROTECTION	Yes
ENCODER IN	
INPUT (FOR SPINDLE/HANDWHEEL)	2 x ABZ inc
PROBING (STROBE OF ENCODER POSITIONS)	Yes (using Digital Input 1)
BROKEN WIRE DETECTION	Yes (configurable)



compact
I/O

Mechanical Dimensions

Compact I/O - unit: mm



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