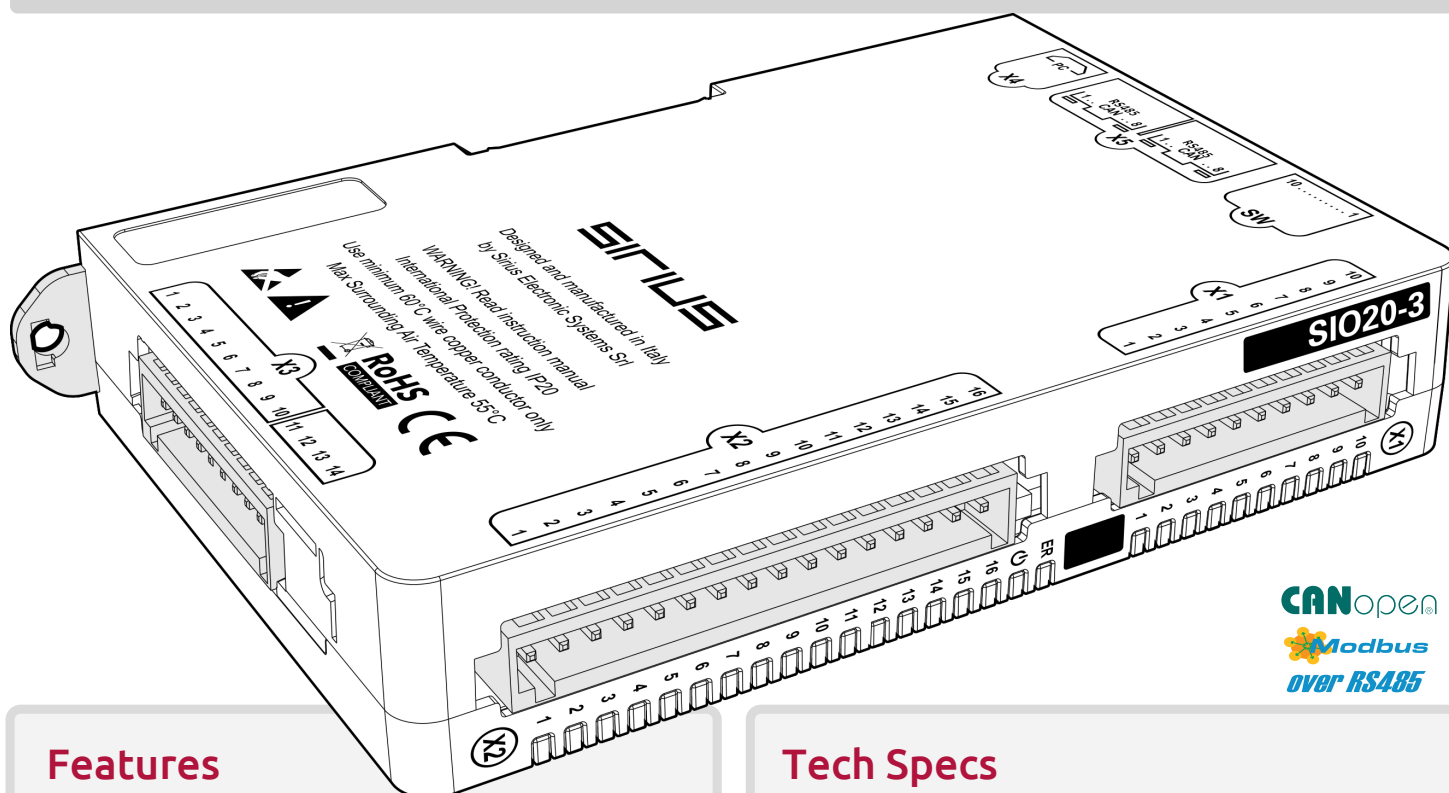




Features

Industrial grade digital and analog I/O board powered at 24Vdc

16 configurable digital I/Os capable of 4 latch input

8 high speed digital inputs capable of reading up to 4 encoders

8 analog inputs capable of reading voltage, input current and up to 4 differential inputs for PTC and JK thermocouple reading. 3-wire PTC reading can be done using analog inputs

Communicates with any industrial computer board or PLC via CANopen or RS485 via two RJ45 pass-through ports to allow concatenation using standard UTP ethernet patches

Output equipped with short-circuit protection, input with over-voltage protection

Operates as a stand-alone device or communicate via advanced networking as part of real-time system

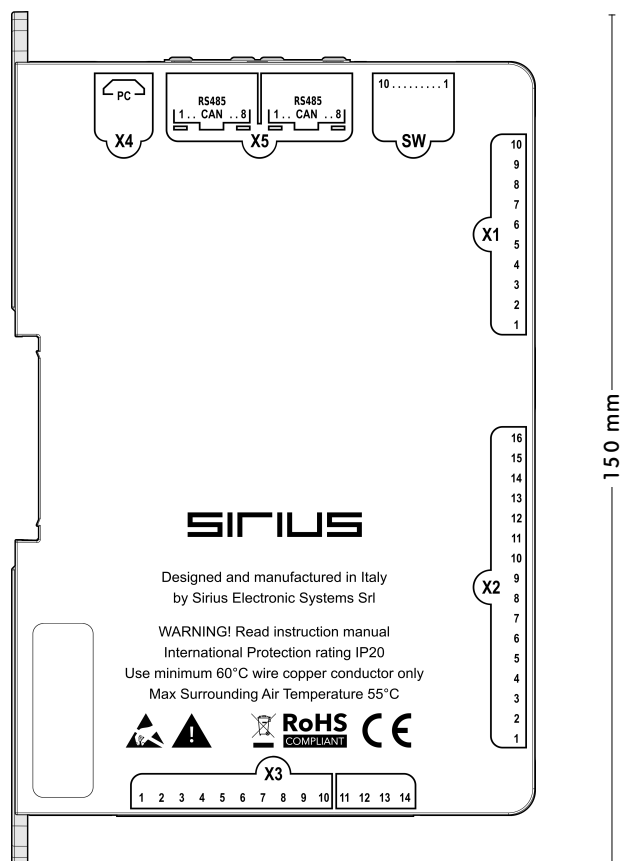
Operates as I/O device under the DSP-401 protocol of the CANopen DS-301 application layer

Tech Specs

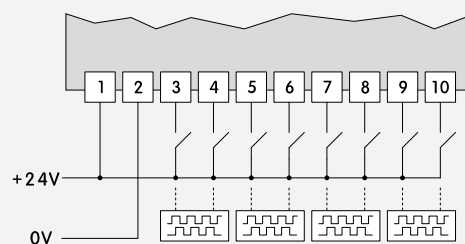
Logic input Power	24Vdc $\pm$ 20%
RS485 Ports	Up to 2 (passthrough) optocoupled
CAN Ports	Up to 2 (passthrough) optocoupled
USB Ports	1 USB 2.0 type B for configuration and Virtual COM
Digital Input	Up to 16 @ 24V 2,5mA (4.7us RC)
High Speed Digital Input	Up to 8 (3.3us RC)
Encoder Input	Up to 4 encoders input (and 4 latch)
Digital Output	Up to 16 @ 24V 700mA PNP, protected
Analog Input	Up to 8 @ 0-10V / $\pm$ 10V / 0-20mA Thermocouple/PTC100/PTC1000 (2W) (24 bit resolution)
Reverse polarity	Logic circuit, diode
Storage C°	-40 to +85 °C
Operating C°	0 to +55 °C
Humidity	0 to 95%, non condensing
Size (L x H x W)	150 x 91 x 24.5 mm
Weight	158 g
Mounting	M3 screws or TS 35 DIN rail

SIO20-3 “Header Digital I/O and Analog Input, Device CAN/RS485”

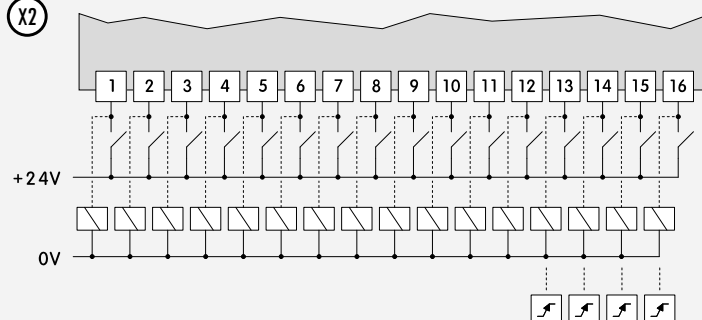
Rev 3 2026/04/28



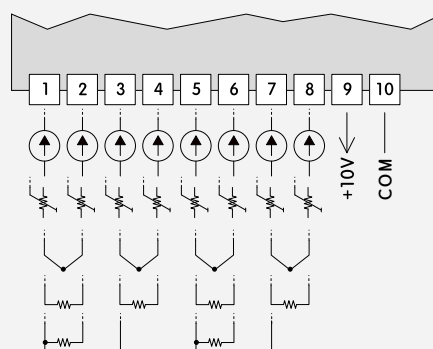
X1



X2



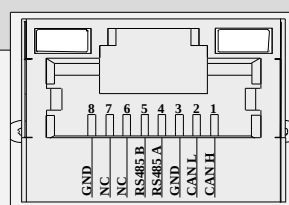
X3



Analog Input

X5

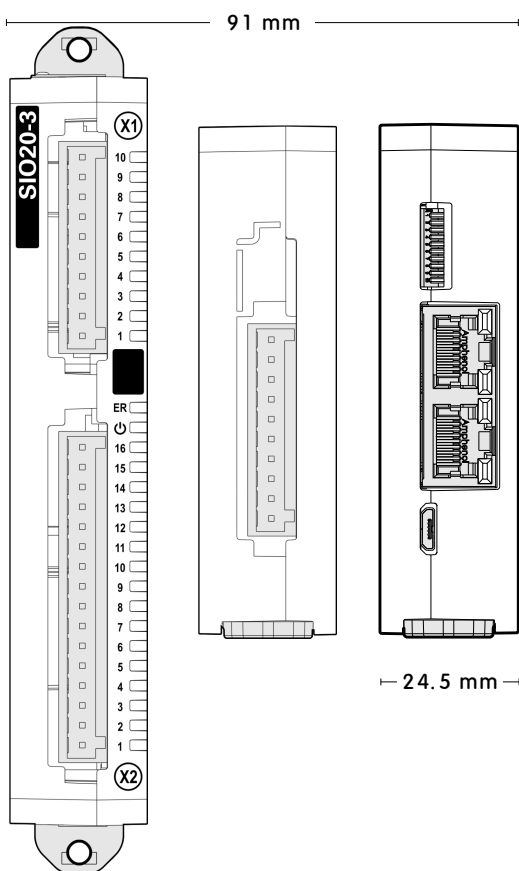
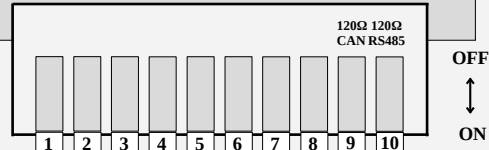
(2x RJ45 standard)



SW

-SW 1 to 6:
CANOpen address

-SW 7 to 8:
Baudrate selection



All names, brands, logos and symbols used in this document are registered trademarks of their respective owners

Rev 3 2026/04/28