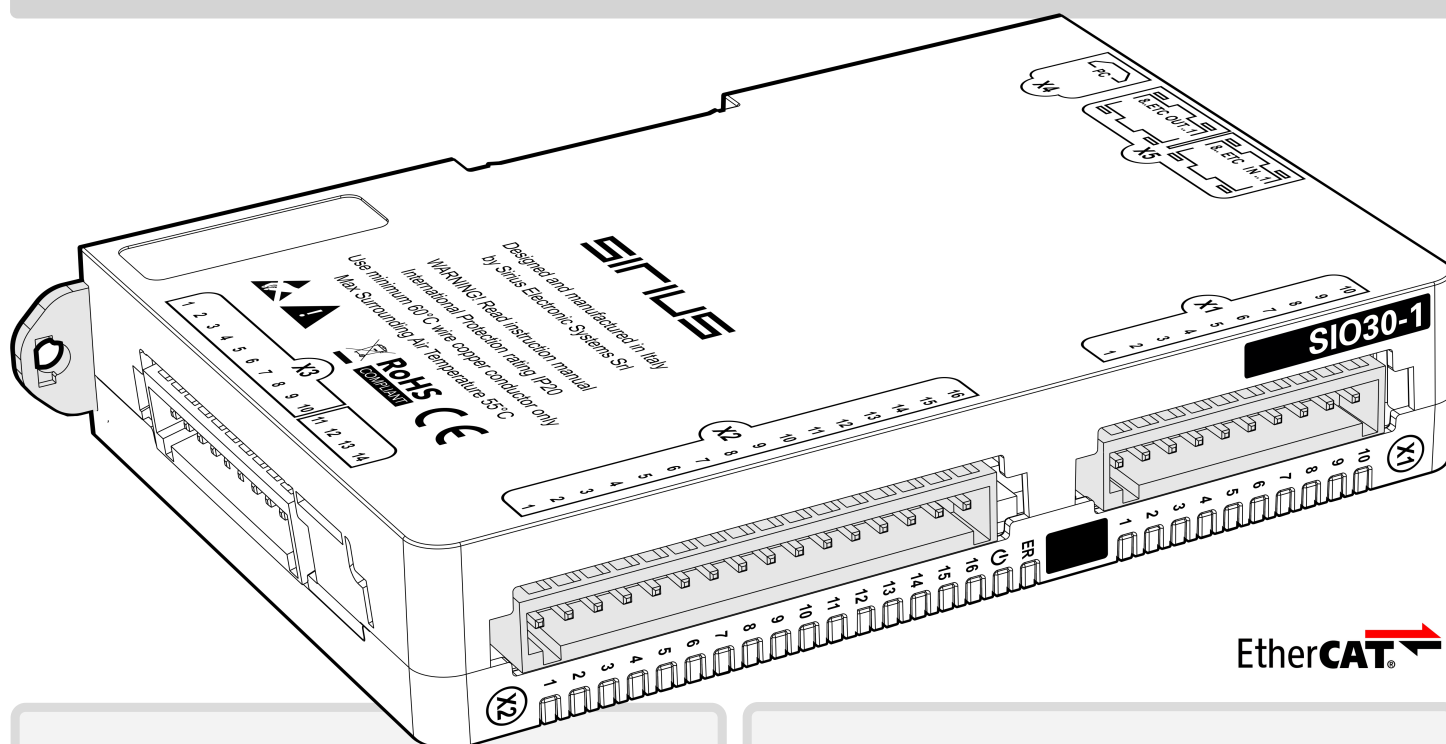




EtherCAT

## Features

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

8 digital inputs and 8 digital outputs

8 high speed digital inputs capable of reading up to 4 encoders or 3 encoders and 2 latch input

6 analog inputs

6 analog outputs

Communicates with any industrial computer board or PLC via Ethercat 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

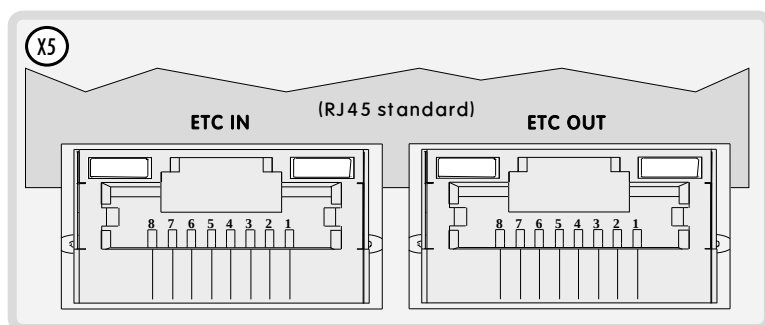
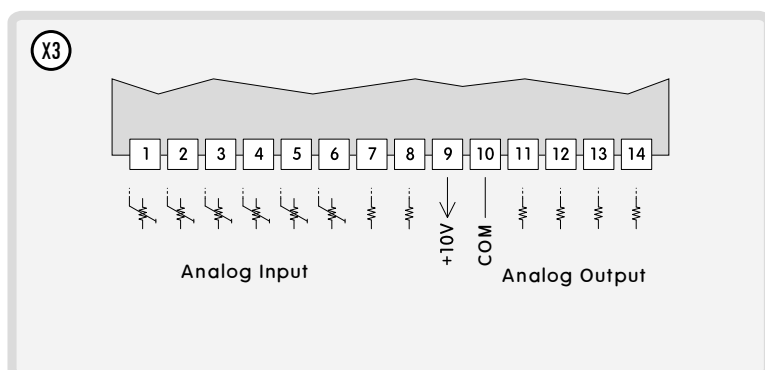
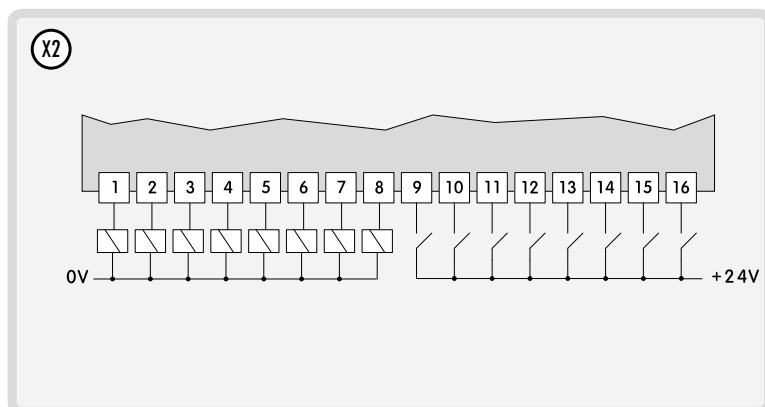
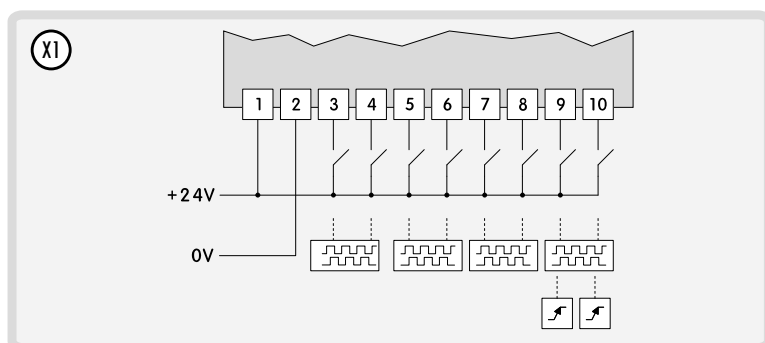
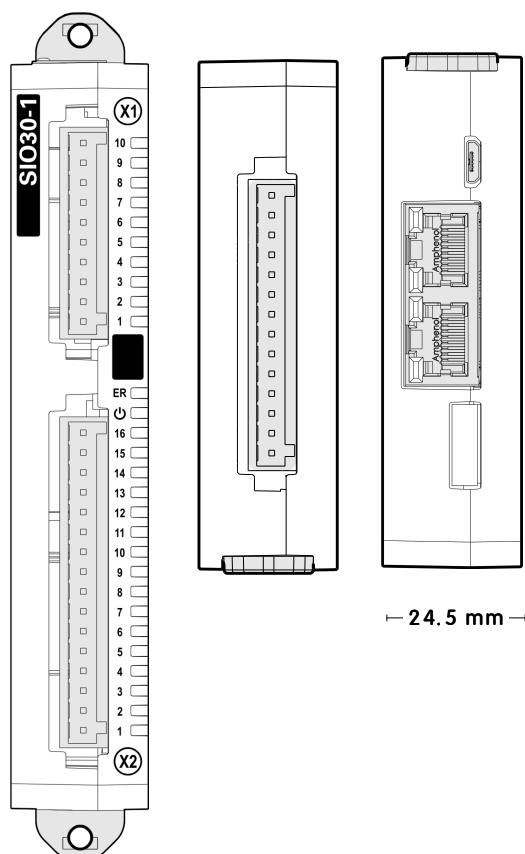
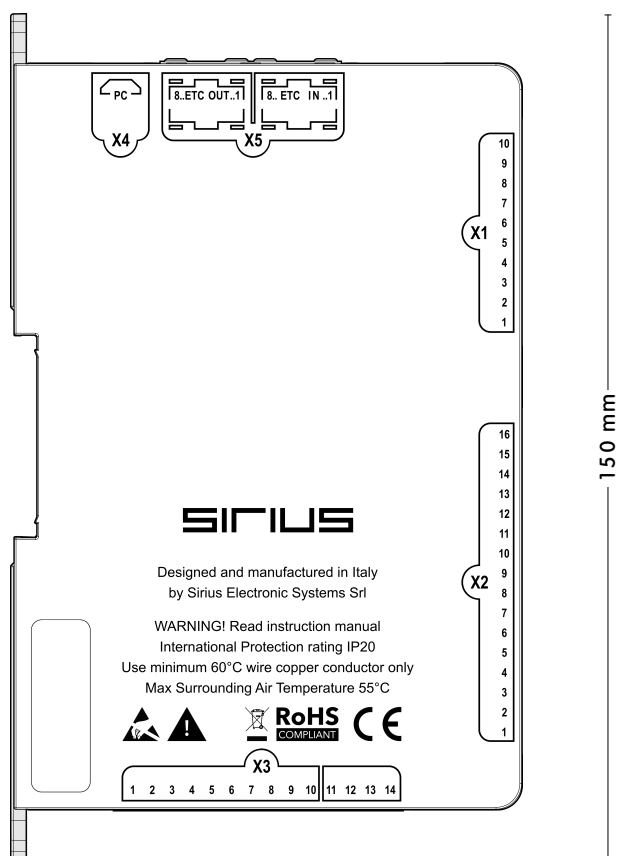
Operates as I/O device under the DSP-401 protocol of the CANopen DS-301 application layer, allowed by Can over Ethercat (CoE)

## Tech Specs

|                          |                                                    |
|--------------------------|----------------------------------------------------|
| Logic input Power        | 24Vdc $\pm$ 20% (500mA resettable fuse)            |
| Ethercat Ports           | 1 Port IN and 1 Port OUT                           |
| USB Ports                | 1 USB 2.0 type B for configuration and Virtual COM |
| Digital Input            | Up to 8 @ 24V 2,5mA (4.7us RC)                     |
| High Speed Digital Input | Up to 8 (3.3us RC)                                 |
| Encoder Input            | Up to 4 encoders input (3 encoder and 2 latch)     |
| Digital Output           | Up to 8 @ 24V 700mA PNP, protected                 |
| Analog Input             | Up to 6 @ 0-10V (12 bit resolution)                |
| Analog Output            | Up to 6 @ $\pm$ 10V (12 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                   | 160 g                                              |
| Mounting                 | M3 screws or TS 35 DIN rail                        |

## SIO30-1 "Header Digital and Analog I/O, Device Ethercat"

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